

**S**



## SAFETY DATA SHEET

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : **S-515 Clear Thin Spread Floor Tile Adhesive**  
 Product Code : 70010433  
 Trade Name/Synonyms : S-515  
 Recommended Use : Adhesive for installing Vinyl Composition Tile (VCT).  
 Uses Advised Against : No information available.  
**Supplier's name and address:**  
 Armstrong World Industries, Inc.  
 2500 Columbia Ave.  
 Lancaster, PA, USA 17603

Information Telephone No. : (800) 233-3823  
 Website Address : <http://www.floorexpert.com>  
 24 Hr Emergency Telephone # : **CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)**

### SECTION 2 – HAZARDS IDENTIFICATION

**GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)**

Not classified as hazardous.

**GHS Pictograms**

None.

**Signal Word**

None.

**Hazard Statements**

None.

**Safe Handling Instructions:**

Avoid eye and skin contact. It is recommended to use safety glasses and gloves during handling. During installation process, adequate ventilation of the work area should be maintained. Although the adhesive is low VOC, persons who are sensitive to odors or chemicals should avoid the work area during installation. Keep container closed.

**Hazards Not Otherwise Classified**

None.

**Unknown Toxicity**

None.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (by weight)
No hazardous ingredients	N/Ap	100

### SECTION 4 – FIRST AID MEASURES

**General** : Call a doctor if you feel unwell.  
**Inhalation** : If a worker develops breathing problems while working with this material, remove the worker to fresh air and keep at rest in a position comfortable for breathing.  
**Skin contact** : Wash with plenty of soap and water. If irritations or symptoms develop, seek medical attention/advice.



**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

**Ingestion** : Rinse mouth. Do NOT induce vomiting. Call a doctor/physician if you feel unwell.

**Notes for Physician** : Treat symptomatically.

**Signs and symptoms of short-term (acute) exposure**

*Inhalation* : None known.

*Skin* : Symptoms may include mild redness or itching.

*Eyes* : Symptoms may include mild redness, itching, or pain.

*Ingestion* : None known.

**Effects of long-term (chronic) exposure**

: None known.

**Indication of need for immediate medical attention or special treatment**

: Difficulty breathing persists after removing the person to fresh air.  
Any exposure to the eye which causes irritation.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Suitable extinguishing media** : Carbon dioxide, dry chemical powder, alcohol foam or water spray.

**Unsuitable extinguishing media** : Water jet may spread the burning material.

**Hazardous combustion products** : Carbon monoxide, carbon dioxide, as well as other toxic vapors and gases which are common to thermal degradation of organic compounds.

**Special fire-fighting procedures/equipment**

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

**Environmental precautions** : Do not allow material to enter drains or contaminate ground water system.

**Fire hazards/conditions of flammability**

: Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

**Flammability classification (OSHA 29 CFR 1910.1200, WHMIS 2015)**

: Not flammable.

**NFPA Rating** : 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

*Health: 1 Flammability 1 Instability 0 Special Hazards: None*

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment.

**Protective equipment** : Refer to Section 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

**Emergency Procedures** : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

US CERCLA Reportable quantity (RQ): None reported.

**Methods and materials for containment and cleaning up**

: Ventilate area of release. Stop spill or leak at source if safely possible. Contain product with inert absorbent material, preventing it from entering sewer lines or waterways. Gather up spilled material and place in suitable container for later



disposal (see Section 13). Residual of product, while still wet, can be cleaned up with warm soapy water. Notify the appropriate authorities as required.

- Prohibited materials** : None known.
- Environmental precautions** : Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system.
- Reference to other sections** : See Section 14 for disposal information.

## SECTION 7 – HANDLING AND STORAGE

- Safe handling procedures** : Wear suitable protective equipment during handling. (See Section 8.) Observe good hygiene standards. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes, skin, or clothing. Keep container tightly closed.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from heat and open flame. Avoid storing in direct sunlight. Store in original container. Keep tightly closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.
- Incompatible materials** : See Section 10.
- Special packaging materials** : Always keep in containers made of the same materials as the supply container.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Permissible Exposure Limits** : No exposure limits have been established for the product itself. Below are exposure limits for the components in the product.

Ingredients	CAS #	ACGIH TLV		OSHA PEL	
		TWA	STEL	PEL	STEL
No hazardous ingredients	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap

- Engineering Controls** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any vapor generated from the handling of this product.
- Personal Protection Equipment**
  - Eye / face protection** : Chemical goggles or safety glasses, as appropriate for the job.
  - Skin protection** : Wear gloves which are impervious to the material. Materials such as nitrile rubber or Viton (fluorocarbon rubber) are recommended.
  - Body protection** : Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.
  - Respiratory protection** : Under normal conditions of use with adequate ventilation, respiratory protection should not be necessary. If work process generates excessive quantities of vapor or dust, or exposures in excess of any PEL, wear an appropriate organic vapor respirator.
- Site safety equipment** : An eyewash station and safety shower should be made available in the immediate working area.
- General hygiene considerations** : Avoid contact with eyes, skin and clothing. Avoid breathing vapors/dust. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands thoroughly. Remove soiled clothing and wash it thoroughly before reuse. Clean all equipment and clothing at end of each work shift.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- |                               |                 |  |               |
|-------------------------------|-----------------|--|---------------|
| <b>Physical state</b>         | : Paste         | <b>Appearance</b>                            | : Beige paste |
| <b>Odor</b>                   | : Mild          | <b>Odor threshold</b>                        | : N/Av        |
| <b>pH</b>                     | : 8.5 – 9.5     | <b>Specific gravity</b>                      | : 1.045       |
| <b>Boiling point</b>          | : 212°F (100°C) | <b>Coefficient of water/oil distribution</b> | : N/Av        |
| <b>Melting/Freezing point</b> | : N/Av          | <b>Solubility in water</b>                   | : Miscible    |



Vapor pressure (mm Hg @ 20°C / 68°F) : N/Av      Evaporation rate (*n*-Butyl acetate = 1) : N/Av  
 Vapor density (Air = 1) : N/Av      Volatiles (% by weight) : Approximately 53 – 55%  
 Volatile organic compounds (VOCs) : 0 g/L SCAQMD 1168  
 Particle size : N/Av      Flammability classification : Not flammable  
 Flash point : >93.3°C (>200°F) Lower flammable limit (% by vol) : Not available  
 Flash point method : Setaflash closed Upper flammable limit (% by vol) : Not available  
 Auto-ignition temperature : N/Av      Decomposition temperature : Not available  
 Viscosity : 25,000 cSt      Oxidizing properties : Not available

**Explosion data: Sensitivity to mechanical impact / static discharge**  
 : Not expected to be sensitive to mechanical impact or static discharge.

**SECTION 10 – REACTIVITY AND STABILITY INFORMATION**

Reactivity : Not reactive.  
 Stability : Stable under the recommended storage and handling conditions prescribed.  
 Hazardous reactions : Hazardous polymerization does not occur.  
 Conditions to avoid : Extreme heat.  
 Materials to avoid and incompatibility : Strong oxidizing agents.  
 Hazardous decomposition products : None known, refer to hazardous combustion products in Section 5.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Routes of exposure : Inhalation: YES      Skin Absorption: NO      Skin and Eyes: Yes      Ingestion: YES  
 Symptoms of exposure : See Section 4.  
 Calculated Acute Toxicity Estimates for the Product  
     Inhalation : > 50 mg/L  
     Oral : > 10000 mg/kg  
     Dermal : > 10000 mg/kg  
 Toxicological data : See below for individual ingredient acute toxicity data.

Ingredients	LC50 (4 hr)	LD50	
	Inhalation, rat	Oral, rat	Dermal, rabbit
No hazardous ingredients.	N/Av	N/Av	N/Av

Skin corrosion or irritation : May cause mild irritation to skin.  
 Serious eye damage / eye irritation : May cause mild, temporary irritation to eyes.  
 Respiratory or skin sensitization : None known.  
 Germ cell mutagenicity : None known.  
 Carcinogenic status : No components are classified as carcinogenic by IARC, ACGIH, NTP, and OSHA.  
 Reproductive toxicity : None known.  
 Specific Target Organ Toxicity, Single Exposure : None known.  
 Specific Target Organ Toxicity, Repeated Exposure : None known.  
 Aspiration hazard : None known.  
 Additional information : N/Av

**SECTION 12 – ECOLOGICAL INFORMATION**



- Environmental effects** : The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
- Ecotoxicity** : No data available.
- Biodegradability** : No data available.
- Bioaccumulative potential** : No data available.
- Mobility in soil** : No data available.
- PBT and vPvB assessment** : No data available.
- Other adverse effects** : No data available.

**SECTION 13 – DISPOSAL CONSIDERATION**

- Handling for disposal** : Handle waste according to recommendations in Section 7.
- Methods of disposal** : You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- Packaging** : Handle contaminated packaging in the same manner as the product.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**SECTION 14 – TRANSPORTATION INFORMATION**

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	This product is not regulated according to Canadian TDG regulations.	None	None	None
TDG Additional Information	None				
49 CFR/DOT	None	This product is not regulated according to US DOT regulations.	None	None	None
49 CFR/DOT Additional Information	None				

**IATA** : Not regulated for Air Transport

**IMDG** : Not regulated for Ocean Transport

**SECTION 15 – REGULATORY INFORMATION**

**Canadian Information:**

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non- Domestic Substances List (NDSL).

**US Federal Information:**

TSCA: All ingredients appear on the Toxic Substances Control Act (TSCA) inventory.



Armstrong S-515 Clear Thin Spread Floor Tile Adhesive  
04-Mar-2015

Armstrong World Industries  
2500 Columbia Ave.  
Lancaster, PA USA 17603  
Telephone: (800) 233-3823  
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CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Not Hazardous.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above *de minimus* concentrations.

#### U.S. State Right To Know Laws

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other State Right to Know Laws: Not applicable.

## SECTION 16 – OTHER INFORMATION

HMIS Rating : \* - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe  
Health: 1 Flammability 1 Physical Hazard: 0 PPE: Gloves, safety glasses

Legend : ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
DOT: Department of Transportation  
DSL: Domestic Substances List  
EPA: Environmental Protection Agency  
GHS: Globally Harmonized System  
HPR: Hazardous Products Regulations  
IARC: International Agency for Research on Cancer  
Inh: Inhalation  
N/Av: Not Available  
N/Ap: Not Applicable  
NIOSH: National Institute of Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
RCRA: Resource Conservation and Recovery Act  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TSCA: Toxic Substance Control Act  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

#### Disclaimer of Liability

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

No warranty of any kind is given or implied. Armstrong World Industries, Inc. will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

Prepared By:  
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Armstrong S-515 Clear Thin Spread Floor Tile Adhesive  
04-Mar-2015

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Visit our Website: <http://www.floorexpert.com>

**Revision date:** : 04-Mar-2015

**End of Document**



GEL HSO

Revision Date: 07/24/14

### SANELL HAND SANITIZER

#### 1 Identification

**Product Name:** Gel Hand Sanitizer

**Product Code:** GEL HSO

**Uses:** For hand washing to decrease bacteria on the skin.

**Contact Information:**

OraLabs, Inc.  
18685 E Plaza Dr  
Parker, CO 80134  
(303) 783-9499

**Emergency Contact Number:** 1-800-424-9300 CHEMTREC

#### 2 Hazard(s) Identification

**Classification:** Warning

**Hazard Pictogram:** Exclamation Point

**Signal Word:** Warning, Flame

**Hazard Statements:** Potentially hazardous in case of eye contact (irritant) or if ingested in large quantities.

**HMIS Classification**

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: None

**NFPA Rating**

Health: 2

Flammability: 3

Instability: 0

Special Hazard: None

**WHMIS (Canada):** None

**European Chemical Bureau (EU) Annex VI:** None

#### 3 Composition/Information on Ingredients

Consumer products regulated by the Food, Drug, and Cosmetics Act (when packaged for sale to consumers in a retail establishment) are exempt from all provisions of OSHA's Hazard Communications Standard. This exemption is provided within the Code of Federal Regulations, Title 29, Part 1910.1200(b)(6).

**Hazardous ingredients:** Ethanol (58.1% w/w).

As per CFR Parts 210 & 211, specific ingredient information can be found on the product package labeling.

### 4 First Aid Measures

**Eye Contact:** Flush with water for 15 minutes. If condition worsens or irritation persists, contact physician.

**Over Exposure:** No significant effects.

**Skin Contact:** Discontinue if rash or irritations develop or persist.

**Inhalation:** Move to fresh air.

**Ingestion:** Do not induce vomiting. Contact a physician or Poison Control Center.

### 5 Firefighting Measures

**Suitable Extinguishing Media:** Media, Water fog, CO<sub>2</sub>, Foam

**Specific Hazards from the Chemical:** Product is flammable due to alcohol content.

**Special Protective Equipment:** Not available.

### 6 Accidental Release Measures

**Personal precautions, Protective equipment and Emergency procedures:** None

**Environmental precautions:** Not available

**Methods and materials for containment and cleanup:** Use inert absorbent material to collect spilled product. Collect into appropriate containers, ready for disposal (see Section 13).

### 7 Handling and Storage

**Precautions for safe handling:** Avoid contact with eyes.

**Conditions for safe storage:** Store in a cool dry place. Do not expose to flame or ignition source.

### 8 Exposure Controls/Personal Protection

**Control parameters:** None

**Appropriate engineering controls:** None

**Individual protection measures:** Use approved gloves and goggles when handling in raw, bulk form.

### 9 Physical and Chemical Properties

**Physical state and appearance:** Clear gel with air bubbles.

**Odor:** Characteristic of Alcohol.

**Taste:** N/A

**Color:** Clear

**pH:** Not available

GEL HSO

Revision Date: 07/24/14

**Melting Point:** Not available  
**Boiling Point:** Not available  
**Flash Point:** 75.2°F/24°C  
**Evaporation Rate:** Not available  
**Flammability (solid, gas):** See Section 5.  
**Danger of Explosion:** Product is flammable due to alcohol content.  
**Vapor Pressure:** Not available  
**Density:** Not available  
**Solubility in Water:** Soluble  
**Partition coefficient (n-octanol/water):** Not available  
**Autoignition temperature:** Not available  
**Decomposition Temperature:** Not available

### 10 Stability and Reactivity

**Chemical Stability:** This product is stable under normal conditions.  
**Possibility of Hazardous reactions:** No dangerous reactions known.  
**Conditions to avoid:** Intense heat, flames.  
**Incompatible materials:** Not available  
**Hazardous decomposition products:** Not available

### 11 Toxicology Information

**Routes of Exposure:** None  
**Toxicity:** Non-Toxic when used according to directions.  
**Potential Acute Health Effects:** Potentially hazardous in case of eye contact (irritant) or if ingested in large quantities.  
**Potential Chronic Health Effects:**  
    Carcinogenic Effects: Not available  
    Mutagenic Effects: Not available  
    Teratogenic Effects: Not available  
    Developmental Toxicity: Not available

### 12 Ecological Information

**Ecotoxicity (aquatic and terrestrial):** Not available  
**Persistence and Degradability:** Not available  
**Bioaccumulative Potential:** Not available  
**Mobility in Soil:** Not available  
**Products of Biodegradation:** Not available  
**Toxicity of the Products of Biodegradation:** Not available  
**Special Remarks on the Products of Biodegradation:** Not available

### 13 Disposal Considerations

**Waste Disposal:** Characteristic Hazardous waste – flammable liquid. Dispose according to applicable local, state and Federal regulations.

### 14 Transportation Information

**UN-Number:** 1170

**UN Proper Shipping Name:** Ethanol (58.1% w/w)

**Transport Hazard Class(es):** Hazardous by transport regulations. When transported by ground modes in the U.S., this product is typically shipped as Consumer Commodity ORM-D. When transported by water, this product is typically shipped as a UN1170 in Limited Quantities. Refer to all current transport regulations for exact requirements.

**Packing Group:** II

**Marine Pollutant:** No

**Special Precautions for User:** None

### 15 Regulatory Information

**California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm when used as directed.

When used as intended, all ingredients used in this product are safe and listed in the Cosmetics, Toiletries and Fragrance Association guidelines.

### 16 Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall OraLabs, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if OraLabs, Inc. has been advised of the possibility of such damages.

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Thomas**  
I am approving  
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2014.07.24  
16:22:26 -06'00'

## 1. Product and Company Identification

<b>Product identifier</b>	<b>Sani-Cloth Disinfecting Wipes</b>	<b>SDS 0089-00</b>
<b>Other means of identification</b>	Not available	
<b>Recommended use</b>	Hard, Nonporous Surface Disinfectant	
<b>Recommended restrictions</b>	Not a baby wipe.	
<b>Manufacturer</b>	Professional Disposables International, Inc. Two Nice-Pak Park, Orangeburg, NY 10962-1376 Phone: (USA) 1-845-365-1700 (M-F 9am - 5pm) Emergency Phone: 1-800-999-6423 or Distributed By:	

## 2. Hazards Identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2B
<b>Environmental hazards</b>	Not determined.	
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		
<b>Hazard symbol</b>	None.	
<b>Signal word</b>	Warning	
<b>Hazard statement</b>	Causes eye irritation.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wash thoroughly after handling.	
<b>Response</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	
<b>Supplemental information</b>	Not applicable.	

## 3. Composition/Information on Ingredients

**Mixture**

Chemical name	Common name and synonyms	CAS number	%
Benzyl-C12-18-alkyldimethyl ammonium chlorides		68391-01-5	0.14
Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides		68956-79-6	0.14

**Composition comments** Active ingredients are listed above. All remaining ingredients are withheld as trade secret in accordance with paragraph (i) of the OSHA HCS 1910.1200.

## 4. First Aid Measures

<b>Inhalation</b>	Not a normal route of exposure. If symptoms develop move victim to fresh air.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

<b>Ingestion</b>	Not a normal route of exposure. Call poison control center or doctor for treatment advice.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause moderate eye irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Call a Poison Control Center or doctor for treatment advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take container, label, product name or DIN / EPA Number with you when seeking medical attention.

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### 5. Fire Fighting Measures

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<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In the event of fire, cool product with water spray.
<b>Specific methods</b>	Cool product exposed to flames with water until well after the fire is out.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Not available
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	Not available.

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### 6. Accidental Release Measures

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<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid excessive skin contact. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Stop the flow of material, if this is without risk. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.

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### 7. Handling and Storage

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<b>Precautions for safe handling</b>	Use according to package label instructions. Practice good housekeeping. This is not a baby wipe. Avoid contact with eyes. Do not reuse wipe / towelette.
<b>Conditions for safe storage, including any incompatibilities</b>	Store away from heat. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

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### 8. Exposure Controls/Personal Protection

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<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	This material does not have established exposure limits.
<b>Appropriate engineering controls</b>	General ventilation normally adequate.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Not required under normal use conditions.
<b>Skin protection</b>	
<b>Hand protection</b>	Not required under normal use conditions.
<b>Other</b>	Not normally required.
<b>Respiratory protection</b>	Not normally required under normal use conditions. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Thermal hazards	Not available.
General hygiene considerations	Follow good hygienic and housekeeping practices.

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## 9. Physical and Chemical Properties

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Appearance	Liquid saturated on wipe
Physical state	Solid.
Form	Pre-moistened towelette.
Color	White
Odor	Slight solvent
Odor threshold	Not available.
pH	7.0 (liquid)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	1.02
Partition coefficient (n-octanol/water)	Not available.
Flash point	> 203.0 °F (> 95.0 °C) (liquid)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

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## 10. Stability and Reactivity

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Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Do not use on natural marble, windows, unpainted wood, brass, clear plastic or colored grout. Do not use or store near heat or open flame. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Ammonia

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## 11. Toxicological Information

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Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	Health injuries are not known or expected under normal use.
Inhalation	Health injuries are not known or expected under normal use.
Skin contact	Health injuries are not known or expected under normal use.
Eye contact	Health injuries are not known or expected under normal use.

**Symptoms related to the physical, chemical and toxicological characteristics**

There are no hazards associated with this product in normal use.

**Information on toxicological effects**

**Acute toxicity**

Components	Species	Test Results
------------	---------	--------------

Benzyl-C12-18-alkyldimethyl ammonium chlorides (CAS 68391-01-5)

**Acute**

*Dermal*

LD50	Rat	2000 mg/kg 1420 mg/kg
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*Inhalation*

LC50	Not available	
------	---------------	--

*Oral*

LD50	Mouse	150 mg/kg
	Rat	240 mg/kg

Quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides (CAS 68956-79-6)

**Acute**

*Dermal*

LD50	Not available	
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*Inhalation*

LC50	Not available	
------	---------------	--

*Oral*

LD50	Rat	250 mg/kg
------	-----	-----------

**Skin corrosion/irritation** Non-irritating based on test data.

**Exposure minutes** Not available.

**Erythema value** Not available.

**Oedema value** Not available.

**Serious eye damage/eye irritation** May be irritating to eyes.

**Corneal opacity value** Not available.

**Iris lesion value** Not available.

**Conjunctival reddening value** Not available.

**Conjunctival oedema value** Not available.

**Recover days** Not available.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not available.

**Skin sensitization** Not a skin sensitizer based on test data.

**Germ cell mutagenicity** The finished product is not expected to have chronic health effects.

**Mutagenicity** The finished product is not expected to have chronic health effects.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Teratogenicity** The finished product is not expected to have chronic health effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

**Chronic effects** Not classified.

**Further information** This product has no known adverse effect on human health.

**Name of Toxicologically Synergistic Products** Not available.



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## 12. Ecological Information

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<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Mobility in general</b>	Not available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.  Follow container label directions carefully. Do not reuse towelette. Dispose of used towelette in trash. Do not flush in toilet.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	Assign as required.
<b>Waste from residues / unused products</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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## 14. Transport Information

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**U.S. Department of Transportation (DOT)**  
Not regulated as dangerous goods.

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## 15. Regulatory Information

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<b>US federal regulations</b>	<p>This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.</p> <p>This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.</p> <p>PRECAUTIONARY STATEMENTS: Hazards to humans and Domestic animals. CAUTION: Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating and drinking, chewing gum, using tobacco or using toilet.</p> <p>EPA Reg. # 9480-5</p>
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**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
 Not regulated.

**Other federal regulations**

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations** This product is not subject to warning labeling under the California Proposition 65 regulation.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**  
 Not listed.

**US - Texas Effects Screening Levels: Listed substance**  
 Benzyl-C12-18-alkyldimethyl ammonium chlorides Listed.  
 (CAS 68391-01-5)

**US. Massachusetts RTK - Substance List**  
 Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**  
 Not regulated.

**US. Rhode Island RTK**  
 Not regulated.

**Inventory status**

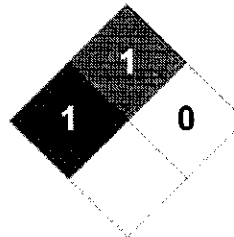
Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	/ 1
<b>FLAMMABILITY</b>	1
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date 08-May-2015  
 Effective date 08-May-2015  
 Expiry date 08-May-2018

Further information For any questions surrounding this SDS, please contact the supplier/manufacturer listed on the first page of the document.

Revision 0.  
 Based on bulk liquid 4OU16501.

**Prepared by**

Professional Disposables International, Inc. Phone: 1-845-365-1700

**Other information**

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.



# Safety Data Sheet

Issue date 30-Apr-2015

Version 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

Product name SANTA SNOW 18 OZ  
Chemical name 7-7724-6

### Other means of identification

Product code FG 499-0505-6  
Synonyms Non-solvent spray Snow

### Recommended use of the chemical and restrictions on use

Recommended Use To decorate windows, mirrors and other surfaces.  
Uses advised against DO NOT USE ON FLOORS

### Details of the supplier of the safety data sheet

Supplier Address  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

Manufacturer Address  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

### Emergency Telephone Number

Company Phone Number 708-865-1000  
24 Hour Emergency Phone Number 1-800-255-3924  
Emergency telephone ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification

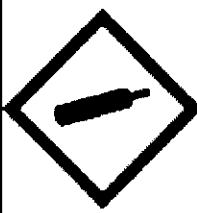
Gases Under Pressure	liquefied gas
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### Label Elements

#### EMERGENCY OVERVIEW

**Warning**

Contains gas under pressure; may explode if heated



The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** liquid                      **Physical State** Aerosol                      **Odor** Mild, calcium carbonate odor.

### Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place

**Hazards not otherwise classified (HNOC)**

**Other Information**

3.86% of the mixture consists of ingredient(s) of unknown toxicity

**3 Composition/Information on Ingredients**

**Common Name** Artificial Spray Snow.  
**Synonyms** Non-solvent spray Snow.  
**Chemical Family** MIXTURES.  
**Formula** 7-7724-6  
**Chemical nature** Water-based mixture.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	75-80	*
N-Butane	106-97-8	10-15	*
Propane	74-98-6	1-5	*
Sorbitan Tristearate	266658-19-5	1-5	*
Calcium Carbonate	471-34-1	1-5	*

Chemical Additions Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinogenes are listed when present at 0.1% or greater.

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4 First Aid Measures**

**FIRST AID MEASURES**

**Eye Contact** Flush from eyes with plenty of water. If irritation develops, consult a physician.  
**Skin contact** Wash skin with soap and water.  
**inhalation** If overcome by vapor, move person to fresh air. Restore respiration if necessary. Get medical attention if injury develops.  
**INGESTION** Ingestion from an aerosol product is unlikely to occur.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Acute, Deliberate inhalation of concentrated vapor or mist may cause headaches. Prolonged and repeated contact with the eyes may cause mild irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** None needed.

**5 Fire and Explosion Data**

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

**Hazardous combustion products** Thermal decomposition may release carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate general or local exhaust ventilation.

**For emergency responders** Remove all sources of ignition.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Keep out of reach of children. **AEROSOL STORAGE LEVEL I (NFPA-30B)**.

**Incompatible Materials** Avoid heat, open flame and contact with strong oxidizers.

**8. Exposure, Hazards, Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Calcium Carbonate 471-34-1	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Conventional eyeglasses to guard against splashing.

<b>Skin and Body Protection</b>	Household type gloves, if desired.
<b>Respiratory protection</b>	None required if used in a well-ventilated area .
<b>General hygiene considerations</b>	None needed.

**Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Mild, calcium carbonate odor.
<b>Appearance</b>	liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	white		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	7.5	No information available	
Melting point/freezing point	Not applicable	No information available	
Boiling point/boiling range	Water 212 °F/100 °C	No information available	
Flash Point	Not Available. This is an aerosol product for which Flame Projection is 0 inches. Temperatures above 120 F may cause cans to burst. Faster than butyl acetate	No information available	
Evaporation Rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limits in Air		No information available	
Upper flammability limits	Not available		
Lower Flammability Limit	Not available		
Vapor pressure		No information available	
Vapor Density		No information available	
Specific gravity	0.99 -1.00 (concentrate)	No information available	
Water solubility		Soluble in water	
Solubility in other solvents		No information available	
Partition coefficient		No information available	
Autoignition Temperature		No information available	
Decomposition temperature		No information available	
Kinematic viscosity		No information available	
Dynamic viscosity		No information available	
Explosive properties	No information available		
Oxidizing properties	No information available		
<b>Other Information</b>			
Softening point	No information available		
Molecular weight	No information available		
VOC content (%)	19.5%		
Density	8.33 lb/gal		
Bulk Density	No information available		

**Reactivity**  
 Not applicable  
 Not applicable

**Chemical stability**  
 Stable.

**Possibility of hazardous reactions**  
 Temperatures above 130 °F may cause cans to burst with force.  
     **hazardous polymerization**      Hazardous polymerization does not occur.

**Conditions to Avoid**

Temperatures above 122 °F (50 °C).

**Incompatible Materials**

Avoid heat, open flame and contact with strong oxidizers.

**Hazardous decomposition products**

Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**11. Toxicological Information**

**Information on likely routes of exposure**

<b>Product Information</b>	This product has not been tested as whole. See below for information on ingredients.
<b>inhalation</b>	no data available.
<b>Eye Contact</b>	no data available.
<b>Skin contact</b>	no data available.
<b>INGESTION</b>	no data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h
Calcium Carbonate 471-34-1	= 6450 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** None expected.  
**Serious eye damage/eye irritation** May cause eye irritation with susceptible persons.  
**corrosivity** Not applicable.  
**sensitization** No a skin sensitizer.  
**Germ Cell Mutagenicity** No information available.  
**carcinogenicity** Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 3.86% of the mixture consists of ingredient(s) of unknown toxicity  
 The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (inhalation-gas)** 2293333 mg/l  
**ATEmix (inhalation-vapor)** 4526.3 mg/l

**12. Environmental Information**

This product does not contain marine pollutants.



**ecotoxicity**

21.42% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical name	Partition coefficient
N-Butane 106-97-8	2.89
Propane 74-98-6	2.3

**Other adverse effects**

No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**14. Other Information**

**DOT**

UN/ID no

Limited quantity (LQ) Air Freshener/Deodorizer

Proper Shipping Name

UN1950

Hazard Class

Limited quantity (LQ)

Marine pollutant

2.1

This product does not contain marine pollutants.

**15. International Inventories**

**International Inventories**

**TSCA**

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**DSL**

All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X

**U.S. EPA Label information**

EPA Pesticide registration number Not applicable



<b>NFPA</b>	Health Hazards 1	Flammability 1	Instability 1	Physical and chemical properties Not applicable Personal Protection A - Eyes protection
<b>HMIS</b>	Health Hazards 1	Flammability 2	Physical Hazards 1	

Prepared by Regulatory Department  
 Issue date 30-Apr-2015  
 Revision note  
 This SDS supersedes a previous MSDS dated May 28, 2013.

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



# SAFETY DATA SHEET

WASHABLE FINGER PAINTS  
Issue date: 01/16/2013

SDS ID: 00160113  
Revision Date: ---

\*\*\* Section 1 – PRODUCT AND COMPANY IDENTIFICATION \*\*\*

**Product Name:** SATGENT ART WASHABLE FINGER PAINT,  
ART-TIME WASHABLE FINGER PAINT,  
ART-TIME WASHABLE GLITTER FINGER PAINT,  
ART-TIME WASHABLE FLUORESCENT FINGER PAINT.

SARGENT ART, INC

Phone: 1-800-424-3596

100 East Diamond Ave.  
Hazleton, PA 18201  
www.sargentart.com

Health Emergency – Call local Poison Control Center

**Synonyms:** 8oz Art-Time Washable Finger Paint; 16oz Art-Time Washable Finger Paint;  
32oz Art-Time Washable Finger Paint; 16oz Art-Time Washable Glitter Finger  
Paint; 16oz Art-Time Washable Fluorescent Finger Paint; 4ct. Washable Finger  
Paint w/paper & mixing stick; 4ct. Washable Finger Paint Set; 8ct. Washable  
Finger Paint w/paper & mixing stick;

**Product Codes:** 22-93xx; 22-94xx; 22-9406; 22-95xx; 22-9506; 22-92xx; 22-9206; 22-96xx; 22-  
9606; 66-7012; 66-7015; 66-7018; 33-94xx; 33-95xx; 68-93xx; 68-94xx

**Product Use:** Arts and Crafts

\*\*\* Section 2 – HAZARD(S) IDENTIFICATION \*\*\*

### EMERGENCY OVERVIEW

**Color:** various colors  
**Physical Form:** liquid

### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

\*\*\* Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*

CAS	Component	Percent	Symbol	Risk Phrase(s)
Not Available	Product has been certified as non-toxic by the US Board Certifies Toxicologist and Conforms to ASTM D-4236 standard practice for Labeling Art Materials for acute and chronic adverse health hazards.	100	---	---

\*\*\* Section 4 – FIRST AID MEASURES \*\*\*



## SAFETY DATA SHEET

WASHABLE FINGER PAINTS

Issue date: 01/16/2013

SDS ID: 00160113

Revision Date: ---

### Inhalation

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

### Skin

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

### Eyes

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

### Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort occurs.

## \*\*\* Section 5 – FIRE FIGHTING MEASURES \*\*\*

See Section 9 for Flammability Properties

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Flammable Properties

Slight fire hazard.

### Extinguishing Media

Regular dry chemical, carbon dioxide, water, regular foam

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

## \*\*\* Section 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

### Occupational spill/release

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

## \*\*\* Section 7 – HANDLING AND STORAGE \*\*\*

### Handling Procedures

Provide adequate ventilation. Wear appropriate protection equipment. Avoid breathing mist or vapor. Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Keep the workplace clean. Observe good industrial hygiene practices.

### Storage Procedures

Store in a well-ventilated place. Store in closed original container at room temperature.

## \*\*\* Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*

### Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.

### Ventilation

Based on available information, additional ventilation is not required.

## PERSONAL PROTECTIVE EQUIPMENT



## SAFETY DATA SHEET

WASHABLE FINGER PAINTS

Issue date: 01/16/2013

SDS ID: 00160113

Revision Date: ---

### Eyes/Face

Eye protection not required under normal conditions.

### Protective Clothing

Protective clothing is not required under normal conditions.

### Glove Recommendations

Protective gloves are not required under normal conditions.

### Respiratory Protection

No respirator is required under normal conditions of use.

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

## \*\*\* Section 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

<b>Appearance:</b>	Liquid	<b>Flash Point:</b>	Not available
<b>Physical State:</b>	Liquid	<b>Flammability:</b>	Not available
<b>Physical Form:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Color:</b>	Assorted colors	<b>Vapor Density (air=1):</b>	Not available
<b>Odor:</b>	Odorless	<b>Evaporation Rate:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Specific Gravity:</b>	Not available
<b>pH:</b>	<=9.5	<b>Density:</b>	1.04 – 1.1
<b>Melting Point:</b>	Not available	<b>Water Solubility:</b>	Soluble
<b>Freezing Point:</b>	Not available	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Volatility:</b>	Not available
<b>Viscosity:</b>	Not available		

## \*\*\* Section 10 – STABILITY AND REACTIVITY \*\*\*

### Chemical Stability

Stable at normal temperatures and pressure.

### Conditions to Avoid

None reported.

### Materials to Avoid

Oxidizing materials.

### Decomposition Products

Oxides of carbon.

### Possibility of Hazardous Reactions

Will not polymerize.

## \*\*\* Section 11 – TOXICOLOGICAL INFORMATION \*\*\*

### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, or DFG.



## SAFETY DATA SHEET

WASHABLE FINGER PAINTS

Issue date: 01/16/2013

SDS ID: 00160113

Revision Date: ---

### RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### \*\*\* Section 12 – ECOLOGICAL INFORMATION \*\*\*

#### Component Analysis – Aquatic Toxicity

No LOLI ecotoxicity data is available for this product's components.

### \*\*\* Section 13 – DISPOSAL CONSIDERATION \*\*\*

#### Disposal Methods

Dispose in accordance with all applicable regulations.

#### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

### \*\*\* Section 14 – TRANSPORT INFORMATION \*\*\*

US DOT Information:	Not Regulated.
TDG Information:	Not Regulated.
ADR Information:	Not Regulated.
RID Information:	Not Regulated.
IATA Information:	Not Regulated.
ICAO Information:	Not Regulated.
IMDG Information:	Not Regulated.

### \*\*\* Section 15 – REGULATORY INFORMATION \*\*\*

#### U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No    Chronic Health: No    Fire: No    Pressure: No    Reactive: No

#### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

#### Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

#### Component Analysis – Inventory

No information is available.



## SAFETY DATA SHEET

WASHABLE FINGER PAINTS

Issue date: 01/16/2013

SDS ID: 00160113

Revision Date: ---

### \*\*\* Section 16 – OTHER INFORMATION \*\*\*

#### Allergens:

This product does not contain common allergens such as latex, eggs, milk, wheat, gluten, soy, sunflower or other seeds, tree nuts, and peanuts.

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR – European Road Transport; AU – Australia; BOD – Biochemical Oxygen Demand; C – Celsius; CA – Canada; CAS – Chemical Abstracts Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CN – China; CPR – Controlled Products Regulations; DFG – Deutsche Forschungsgemeinschaft; DOT – Department of Transportation; DSL – Domestic Substances List; EEC – European Economic Community; EINECS – European Inventory of Existing Commercial Chemical Substances; EPA – Environmental Protection Agency; EU – European Union; F – Fahrenheit; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; ICAO – International Civil Agency Organization; IDL – Ingredient Disclosure List; IDLH – Immediately Dangerous to Life and Health; IMDG – International Maritime Dangerous Goods; JP – Japan; Kow – Octanol/water partition coefficient; KR – Korea; LEL – Lower Explosive Limit; LOLI – List Of Lists – ChemADVIUSOR's Regulatory Database; MAK – Maximum Concentration Value in the Workplace; MEL – Maximum Exposure Limits; NFPA – National Fire Protection Agency; NIOSH – National Institute for Occupational Safety and Health; NJTSR – New Jersey Trade Secret Registry; NTP – National Toxicology Program; NZ – New Zealand; OSHA – Occupational Safety and Health Administration; PH – Philippines; RCRA – Resource Conservation and Recovery Act; RID – European Rail Transport; RTECS – Registry of Toxic Effects of Chemical Substances; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-term Exposure Limit; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; UEL – Upper Explosive Limit; US – United States.

#### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



# SAFETY DATA SHEET

SARGENT BRAND TEMPERA  
Issue date: 01/05/2014

SDS ID: 00050114  
Revision Date:

## \*\*\* Section 1 – PRODUCT AND COMPANY IDENTIFICATION \*\*\*

**Product Name:** SARGENT BRAND TEMPERA

SARGENT ART, INC

Phone: 1-800-424-3596

100 East Diamond Ave.  
Hazleton, PA 18201  
www.sargentart.com

Health Emergency – Call local Poison Control Center

**Synonyms:** 690 Series; 8oz Tempera Paint; 16oz Tempera Paint; 32oz Tempera Paint; 128oz Tempera Paint.

**Product Codes:** 22-53xx; 22-5399; 22-54xx; 22-5499; 22-55xx; 22-56xx.

**Product Use:** Arts and Crafts

## \*\*\* Section 2 – HAZARD(S) IDENTIFICATION \*\*\*

### EMERGENCY OVERVIEW

**Color:** various colors  
**Physical Form:** liquid

### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

## \*\*\* Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*

CAS	Component	Percent	Symbol	Risk Phrase(s)
Not Available	Product has been certified as non-toxic by the US Board Certifies Toxicologist and Conforms to ASTM D-4236 standard practice for Labeling Art Materials for acute and chronic adverse health hazards.	100	---	---

## \*\*\* Section 4 – FIRST AID MEASURES \*\*\*

### Inhalation

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

### Skin

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

### Eyes





## SAFETY DATA SHEET

SARGENT BRAND TEMPERA  
Issue date: 01/05/2014

SDS ID: 00050114  
Revision Date:

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

### Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort occurs.

### \*\*\* Section 5 – FIRE FIGHTING MEASURES \*\*\*

See Section 9 for Flammability Properties

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Flammable Properties

Slight fire hazard.

### Extinguishing Media

Regular dry chemical, carbon dioxide, water, regular foam

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

### \*\*\* Section 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

### Occupational spill/release

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

### \*\*\* Section 7 – HANDLING AND STORAGE \*\*\*

### Handling Procedures

Provide adequate ventilation. Wear appropriate protection equipment. Avoid breathing mist or vapor. Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Keep the workplace clean. Observe good industrial hygiene practices.

### Storage Procedures

Store in a well-ventilated place. Store in closed original container at room temperature.

### \*\*\* Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*

### Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.

### Ventilation

Based on available information, additional ventilation is not required.

## PERSONAL PROTECTIVE EQUIPMENT

### Eyes/Face

Eye protection not required under normal conditions.

### Protective Clothing

Protective clothing is not required under normal conditions.

### Glove Recommendations

Protective gloves are not required under normal conditions.

### Respiratory Protection



## SAFETY DATA SHEET

SARGENT BRAND TEMPERA  
Issue date: 01/05/2014

SDS ID: 00050114  
Revision Date:

No respirator is required under normal conditions of use.  
Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

### \*\*\* Section 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

<b>Appearance:</b>	Liquid	<b>Flash Point:</b>	Not available
<b>Physical State:</b>	Liquid	<b>Flammability:</b>	Not available
<b>Physical Form:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Color:</b>	Assorted colors	<b>Vapor Density (air=1):</b>	Not available
<b>Odor:</b>	Odorless	<b>Evaporation Rate:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Specific Gravity:</b>	1.13 – 1.18
<b>pH:</b>	<=9.5	<b>Density:</b>	9.2 – 9.85 Lbs/Gal
<b>Melting Point:</b>	Not available	<b>Water Solubility:</b>	Soluble
<b>Freezing Point:</b>	Not available	<b>Coeff.Water/Oil Dist:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Volatility:</b>	Not available
<b>Viscosity:</b>	12000 – 45000 cP		

### \*\*\* Section 10 – STABILITY AND REACTIVITY \*\*\*

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Conditions to Avoid

None reported.

#### Materials to Avoid

Oxidizing materials.

#### Decomposition Products

Oxides of carbon.

#### Possibility of Hazardous Reactions

Will not polymerize.

### \*\*\* Section 11 – TOXICOLOGICAL INFORMATION \*\*\*

#### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

#### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, or DFG.

#### RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### \*\*\* Section 12 – ECOLOGICAL INFORMATION \*\*\*

#### Component Analysis – Aquatic Toxicity



## SAFETY DATA SHEET

SARGENT BRAND TEMPERA  
Issue date: 01/05/2014

SDS ID: 00050114  
Revision Date:

No LOLI ecotoxicity data is available for this product's components.

### \*\*\* Section 13 – DISPOSAL CONSIDERATION \*\*\*

#### Disposal Methods

Dispose in accordance with all applicable regulations.

#### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

### \*\*\* Section 14 – TRANSPORT INFORMATION \*\*\*

US DOT Information:	Not Regulated.
TDG Information:	Not Regulated.
ADR Information:	Not Regulated.
RID Information:	Not Regulated.
IATA Information:	Not Regulated.
ICAO Information:	Not Regulated.
IMDG Information:	Not Regulated.

### \*\*\* Section 15 – REGULATORY INFORMATION \*\*\*

#### U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No      Chronic Health: No      Fire: No      Pressure: No      Reactive: No

#### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

#### Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

#### Component Analysis – Inventory

No information is available.

### \*\*\* Section 16 – OTHER INFORMATION \*\*\*

#### Allergens:

This product do not contain common allergens such as latex, eggs, wheat, gluten, soy, sunflower or other seeds, tree nuts, and peanuts.



## SAFETY DATA SHEET

**SARGENT BRAND TEMPERA**  
Issue date: 01/05/2014

**SDS ID: 00050114**  
Revision Date:

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR – European Road Transport; AU – Australia; BOD – Biochemical Oxygen Demand; C – Celsius; CA – Canada; CAS – Chemical Abstracts Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CN – China; CPR – Controlled Products Regulations; DFG – Deutsche Forschungsgemeinschaft; DOT – Department of Transportation; DSL – Domestic Substances List; EEC – European Economic Community; EINECS – European Inventory of Existing Commercial Chemical Substances; EPA – Environmental Protection Agency; EU – European Union; F – Fahrenheit; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; ICAO – International Civil Agency Organization; IDL – Ingredient Disclosure List; IDLH – Immediately Dangerous to Life and Health; IMDG – International Maritime Dangerous Goods; JP – Japan; Kow – Octanol/water partition coefficient; KR – Korea; LEL – Lower Explosive Limit; LOLI – List Of Lists – ChemADVIUSOR's Regulatory Database; MAK – Maximum Concentration Value in the Workplace; MEL – Maximum Exposure Limits; NFPA – National Fire Protection Agency; NIOSH – National Institute for Occupational Safety and Health; NJTSR – New Jersey Trade Secret Registry; NTP – National Toxicology Program; NZ – New Zealand; OSHA – Occupational Safety and Health Administration; PH – Philippines; RCRA – Resource Conservation and Recovery Act; RID – European Rail Transport; RTECS – Registry of Toxic Effects of Chemical Substances; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-term Exposure Limit; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; UEL – Upper Explosive Limit; US – United States.

### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



## SAFETY DATA SHEET

SARGENT CREATIVE CRAFT HOBBY GLUE  
Issue date: 01/20/2014

SDS ID: 00200114  
Revision Date: 12/30/2015

### \*\*\* Section 1 – PRODUCT AND COMPANY IDENTIFICATION \*\*\*

**Product Name:** SARGENT CREATIVE CRAFT HOBBY GLUE.

SARGENT ART, INC

Phone: 1-800-424-3596

100 East Diamond Ave.  
Hazleton, PA 18201  
www.sargentart.com

Health Emergency – Call local Poison Control Center

**Synonyms:** 4oz. Creative Craft Tacky Glue;  
4oz. Creative Craft Fabric Glue.

**Product Codes:** 23-1305; 23-1405; 27-1101; 27-1103; 27-1104; 27-1105

**Product Use:** Arts and Crafts

### \*\*\* Section 2 – HAZARD(S) IDENTIFICATION \*\*\*

#### EMERGENCY OVERVIEW

**Color:** white  
**Physical Form:** liquid

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

### \*\*\* Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*

CAS	Component	Percent	Symbol	Risk Phrase(s)
Not Available	Product has been evaluated by a US Board-Certified Toxicologist for acute and chronic health hazards, and conforms to ASTM D-4236 standard practice for Labeling Art Materials	100	---	---

### \*\*\* Section 4 – FIRST AID MEASURES \*\*\*

#### Inhalation

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

#### Skin

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.



## SAFETY DATA SHEET

SARGENT CREATIVE CRAFT HOBBY GLUE

Issue date: 01/20/2014

SDS ID: 00200114

Revision Date: 12/30/2015

### Eyes

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

### Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort occurs.

## \*\*\* Section 5 – FIRE FIGHTING MEASURES \*\*\*

See Section 9 for Flammability Properties

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Flammable Properties

Slight fire hazard.

### Extinguishing Media

Regular dry chemical, carbon dioxide, water, regular foam

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

## \*\*\* Section 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

### Occupational spill/release

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

## \*\*\* Section 7 – HANDLING AND STORAGE \*\*\*

### Handling Procedures

Provide adequate ventilation. Wear appropriate protection equipment. Avoid breathing mist or vapor. Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Keep the workplace clean. Observe good industrial hygiene practices.

### Storage Procedures

Store in a well-ventilated place. Store in closed original container at room temperature.

## \*\*\* Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*

### Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.

### Ventilation

Based on available information, additional ventilation is not required.

## PERSONAL PROTECTIVE EQUIPMENT

### Eyes/Face

Eye protection not required under normal conditions.

### Protective Clothing

Protective clothing is not required under normal conditions.

### Glove Recommendations

Protective gloves are not required under normal conditions.



## SAFETY DATA SHEET

SARGENT CREATIVE CRAFT HOBBY GLUE  
Issue date: 01/20/2014

SDS ID: 00200114  
Revision Date: 12/30/2015

### Respiratory Protection

No respirator is required under normal conditions of use.  
Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

### \*\*\* Section 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

<b>Appearance:</b>	Liquid	<b>Flash Point:</b>	Not applicable
<b>Physical State:</b>	Liquid	<b>Flammability:</b>	Not applicable
<b>Physical Form:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Color:</b>	White	<b>Vapor Density (air=1):</b>	Not available
<b>Odor:</b>	Odorless	<b>Evaporation Rate:</b>	Not available
<b>Odor Threshold:</b>	Not applicable	<b>Specific Gravity:</b>	Not available
<b>pH:</b>	Not available	<b>Density:</b>	Not available
<b>Melting Point:</b>	Not available	<b>Water Solubility:</b>	Soluble
<b>Freezing Point:</b>	Not available	<b>Coeff.Water/Oil Dist:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Volatility:</b>	Not available
<b>Viscosity:</b>	Not available		

### \*\*\* Section 10 – STABILITY AND REACTIVITY \*\*\*

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Conditions to Avoid

None reported.

#### Materials to Avoid

Oxidizing materials.

#### Decomposition Products

Oxides of carbon.

#### Possibility of Hazardous Reactions

Will not polymerize.

### \*\*\* Section 11 – TOXICOLOGICAL INFORMATION \*\*\*

#### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

#### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, or DFG.

#### RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### \*\*\* Section 12 – ECOLOGICAL INFORMATION \*\*\*



## SAFETY DATA SHEET

SARGENT CREATIVE CRAFT HOBBY GLUE  
Issue date: 01/20/2014

SDS ID: 00200114  
Revision Date: 12/30/2015

### Component Analysis – Aquatic Toxicity

No LOLI ecotoxicity data is available for this product's components.

### \*\*\* Section 13 – DISPOSAL CONSIDERATION \*\*\*

#### Disposal Methods

Dispose in accordance with all applicable regulations.

#### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

### \*\*\* Section 14 – TRANSPORT INFORMATION \*\*\*

<b>US DOT Information:</b>	Not Regulated.
<b>TDG Information:</b>	Not Regulated.
<b>ADR Information:</b>	Not Regulated.
<b>RID Information:</b>	Not Regulated.
<b>IATA Information:</b>	Not Regulated.
<b>ICAO Information:</b>	Not Regulated.
<b>IMDG Information:</b>	Not Regulated.

### \*\*\* Section 15 – REGULATORY INFORMATION \*\*\*

#### U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No      Chronic Health: No      Fire: No      Pressure: No      Reactive: No

#### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

#### Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

#### Component Analysis – Inventory

No information is available.





## SAFETY DATA SHEET

SARGENT CREATIVE CRAFT HOBBY GLUE  
Issue date: 01/20/2014

SDS ID: 00200114  
Revision Date: 12/30/2015

### \*\*\* Section 16 – OTHER INFORMATION \*\*\*

#### Allergens:

This product do not contain common allergens such as latex, eggs, milk, wheat, gluten, soy, sunflower or other seeds, tree nuts, and peanuts.

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR – European Road Transport; AU – Australia; BOD – Biochemical Oxygen Demand; C – Celsius; CA – Canada; CAS – Chemical Abstracts Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CN – China; CPR – Controlled Products Regulations; DFG – Deutsche Forschungsgemeinschaft; DOT – Department of Transportation; DSL – Domestic Substances List; EEC – European Economic Community; EINECS – European Inventory of Existing Commercial Chemical Substances; EPA – Environmental Protection Agency; EU – European Union; F – Fahrenheit; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; ICAO – International Civil Agency Organization; IDL – Ingredient Disclosure List; IDLH – Immediately Dangerous to Life and Health; IMDG – International Maritime Dangerous Goods; JP – Japan; Kow – Octanol/water partition coefficient; KR – Korea; LEL – Lower Explosive Limit; LOLI – List Of Lists – ChemADVIUSOR’s Regulatory Database; MAK – Maximum Concentration Value in the Workplace; MEL – Maximum Exposure Limits; NFPA – National Fire Protection Agency; NIOSH – National Institute for Occupational Safety and Health; NJTSR – New Jersey Trade Secret Registry; NTP – National Toxicology Program; NZ – New Zealand; OSHA – Occupational Safety and Health Administration; PH – Philippines; RCRA – Resource Conservation and Recovery Act; RID – European Rail Transport; RTECS – Registry of Toxic Effects of Chemical Substances; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-term Exposure Limit; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; UEL – Upper Explosive Limit; US – United States.

#### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



## SAFETY DATA SHEET

**SARGENT LIQUID METAL ACRYLIC PAINT**  
Issue date: 10/12/2012

SDS ID: 00121012  
Revision Date: 09/20/2013

### \*\*\* Section 1 – PRODUCT AND COMPANY IDENTIFICATION \*\*\*

**Product Name:** SARGENT LIQUID METAL ACRYLIC PAINT

SARGENT ART, INC

Phone: 1-800-424-3596

100 East Diamond Ave.  
Center  
Hazleton, PA 18201  
www.sargentart.com

Health Emergency – Call local Poison Control

**Synonyms:** 31 Series; 4oz Liquid Metal Acrylic Paint; 8oz Liquid Metal Acrylic Paint; 64oz. Liquid Metal Acrylic Paint; 6ct. Acrylic Liquid Metal Set.

**Product Codes:** 22-12xx;22-1206; 22-11xx; 22-1106; 22-27mm; 66-5423

**Product Use:** Arts and Crafts

### \*\*\* Section 2 – HAZARD(S) IDENTIFICATION \*\*\*

#### EMERGENCY OVERVIEW

**Color:** various colors  
**Physical Form:** liquid

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

### \*\*\* Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*

CAS	Component	Percent	Symbol	Risk Phrase(s)
Not Available	Product has been certified as non-toxic by the US Board Certifies Toxicologist and Conforms to ASTM D-4236 standard practice for Labeling Art Materials for acute and chronic adverse health hazards.	100	---	---

### \*\*\* Section 4 – FIRST AID MEASURES \*\*\*

#### **Inhalation**

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

#### **Skin**

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

#### **Eyes**

PAGE 1 OF 5



## SAFETY DATA SHEET

**SARGENT LIQUID METAL ACRYLIC PAINT**  
Issue date: 10/12/2012

SDS ID: 00121012  
Revision Date: 09/20/2013

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

### Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort occurs.

### \*\*\* Section 5 – FIRE FIGHTING MEASURES \*\*\*

See Section 9 for Flammability Properties

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Flammable Properties

Slight fire hazard.

### Extinguishing Media

Regular dry chemical, carbon dioxide, water, regular foam

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

### \*\*\* Section 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

### Occupational spill/release

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

### \*\*\* Section 7 – HANDLING AND STORAGE \*\*\*

### Handling Procedures

Provide adequate ventilation. Wear appropriate protection equipment. Avoid breathing mist or vapor. Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Keep the workplace clean. Observe good industrial hygiene practices.

### Storage Procedures

Store in a well-ventilated place. Store in closed original container at room temperature.

### \*\*\* Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*

### Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.

### Ventilation

Based on available information, additional ventilation is not required.

### PERSONAL PROTECTIVE EQUIPMENT

#### Eyes/Face

Eye protection not required under normal conditions.

#### Protective Clothing

Protective clothing is not required under normal conditions.

#### Glove Recommendations

Protective gloves are not required under normal conditions.

#### Respiratory Protection

PAGE 2 OF 5



## SAFETY DATA SHEET

**SARGENT LIQUID METAL ACRYLIC PAINT**  
Issue date: 10/12/2012

**SDS ID: 00121012**  
**Revision Date: 09/20/2013**

No respirator is required under normal conditions of use.  
Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

### \*\*\* Section 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

<b>Appearance:</b>	Liquid	<b>Flash Point:</b>	Not available
<b>Physical State:</b>	Liquid	<b>Flammability:</b>	Not available
<b>Physical Form:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Color:</b>	Assorted colors	<b>Vapor Density (air=1):</b>	Not available
<b>Odor:</b>	Odorless	<b>Evaporation Rate:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Specific Gravity:</b>	1.13 – 1.18
<b>pH:</b>	<=9.5	<b>Density:</b>	9.2 – 9.85 Lbs/Gal
<b>Melting Point:</b>	Not available	<b>Water Solubility:</b>	Soluble
<b>Freezing Point:</b>	Not available	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Volatility:</b>	Not available
<b>Viscosity:</b>	12000 – 45000 cP		

### \*\*\* Section 10 – STABILITY AND REACTIVITY \*\*\*

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Conditions to Avoid

None reported.

#### Materials to Avoid

Oxidizing materials.

#### Decomposition Products

Oxides of carbon.

#### Possibility of Hazardous Reactions

Will not polymerize.

### \*\*\* Section 11 – TOXICOLOGICAL INFORMATION \*\*\*

#### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

#### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, or DFG.

#### RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### \*\*\* Section 12 – ECOLOGICAL INFORMATION \*\*\*

#### Component Analysis – Aquatic Toxicity

PAGE 3 OF 5



## SAFETY DATA SHEET

**SARGENT LIQUID METAL ACRYLIC PAINT**  
Issue date: 10/12/2012

SDS ID: 00121012  
Revision Date: 09/20/2013

No LOLI ecotoxicity data is available for this product's components.

### \*\*\* Section 13 – DISPOSAL CONSIDERATION \*\*\*

**Disposal Methods**

Dispose in accordance with all applicable regulations.

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.

### \*\*\* Section 14 – TRANSPORT INFORMATION \*\*\*

<b>US DOT Information:</b>	Not Regulated.
<b>TDG Information:</b>	Not Regulated.
<b>ADR Information:</b>	Not Regulated.
<b>RID Information:</b>	Not Regulated.
<b>IATA Information:</b>	Not Regulated.
<b>ICAO Information:</b>	Not Regulated.
<b>IMDG Information:</b>	Not Regulated.

### \*\*\* Section 15 – REGULATORY INFORMATION \*\*\*

**U.S. Federal Regulations**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**

**Acute Health:** No      **Chronic Health:** No      **Fire:** No      **Pressure:** No      **Reactive:** No

**U.S. State Regulations**

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

**Canada**

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

**Component Analysis – Inventory**

No information is available.

### \*\*\* Section 16 – OTHER INFORMATION \*\*\*

**Allergens:**

This product do not contain common allergens such as latex, eggs, milk, wheat, gluten, soy, sunflower or other seeds, tree nuts, and peanuts.

**SAFETY DATA SHEET****SARGENT LIQUID METAL ACRYLIC PAINT**  
Issue date: 10/12/2012SDS ID: 00121012  
Revision Date: 09/20/2013**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR – European Road Transport; AU – Australia; BOD – Biochemical Oxygen Demand; C – Celsius; CA – Canada; CAS – Chemical Abstracts Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CN – China; CPR – Controlled Products Regulations; DFG – Deutsche Forschungsgemeinschaft; DOT – Department of Transportation; DSL – Domestic Substances List; EEC – European Economic Community; EINECS – European Inventory of Existing Commercial Chemical Substances; EPA – Environmental Protection Agency; EU – European Union; F – Fahrenheit; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; ICAO – International Civil Agency Organization; IDL – Ingredient Disclosure List; IDLH – Immediately Dangerous to Life and Health; IMDG – International Maritime Dangerous Goods; JP – Japan; Kow – Octanol/water partition coefficient; KR – Korea; LEL – Lower Explosive Limit; LOLI – List Of Lists – ChemADVIUSOR's Regulatory Database; MAK – Maximum Concentration Value in the Workplace; MEL – Maximum Exposure Limits; NFPA – National Fire Protection Agency; NIOSH – National Institute for Occupational Safety and Health; NJTSR – New Jersey Trade Secret Registry; NTP – National Toxicology Program; NZ – New Zealand; OSHA – Occupational Safety and Health Administration; PH – Philippines; RCRA – Resource Conservation and Recovery Act; RID – European Rail Transport; RTECS – Registry of Toxic Effects of Chemical Substances; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-term Exposure Limit; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; UEL – Upper Explosive Limit; US – United States.

**Disclaimer**

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



## SAFETY DATA SHEET

SARGENT METALLIC ACRYLIC PAINT  
Issue date: 10/15/2012

SDS ID: 00151012  
Revision Date: ---

### \*\*\* Section 1 – PRODUCT AND COMPANY IDENTIFICATION \*\*\*

**Product Name:** SARGENT METALLIC ACRYLIC PAINT

SARGENT ART, INC

Phone: 1-800-424-3596

100 East Diamond Ave.  
Hazleton, PA 18201  
www.sargentart.com

Health Emergency – Call local Poison Control Center

**Synonyms:** 30 Series; 8oz Metallic Acrylic Paint; 6 pk Sargent Art Metallic Acrylic Set 4oz.

**Product Codes:** 25-23xx; 25-2399; 22-4808.

**Product Use:** Arts and Crafts

### \*\*\* Section 2 – HAZARD(S) IDENTIFICATION \*\*\*

#### EMERGENCY OVERVIEW

**Color:** various colors  
**Physical Form:** liquid

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

### \*\*\* Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*

CAS	Component	Percent	Symbol	Risk Phrase(s)
Not Available	Product has been certified as non-toxic by the US Board Certifies Toxicologist and Conforms to ASTM D-4236 standard practice for Labeling Art Materials for acute and chronic adverse health hazards.	100	---	---

### \*\*\* Section 4 – FIRST AID MEASURES \*\*\*

#### Inhalation

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

#### Skin

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

#### Eyes

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.



## SAFETY DATA SHEET

SARGENT METALLIC ACRYLIC PAINT

Issue date: 10/15/2012

SDS ID: 00151012

Revision Date: ---

### Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort occurs.

### \*\*\* Section 5 – FIRE FIGHTING MEASURES \*\*\*

See Section 9 for Flammability Properties

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Flammable Properties

Slight fire hazard.

#### Extinguishing Media

Regular dry chemical, carbon dioxide, water, regular foam

#### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

### \*\*\* Section 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

#### Occupational spill/release

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

### \*\*\* Section 7 – HANDLING AND STORAGE \*\*\*

#### Handling Procedures

Provide adequate ventilation. Wear appropriate protection equipment. Avoid breathing mist or vapor. Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Keep the workplace clean. Observe good industrial hygiene practices.

#### Storage Procedures

Store in a well-ventilated place. Store in closed original container at room temperature.

### \*\*\* Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*

#### Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.

#### Ventilation

Based on available information, additional ventilation is not required.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Eyes/Face

Eye protection not required under normal conditions.

##### Protective Clothing

Protective clothing is not required under normal conditions.

##### Glove Recommendations

Protective gloves are not required under normal conditions.

##### Respiratory Protection

No respirator is required under normal conditions of use.

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.





## SAFETY DATA SHEET

SARGENT METALLIC ACRYLIC PAINT  
Issue date: 10/15/2012

SDS ID: 00151012  
Revision Date: ---

### \*\*\* Section 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

<b>Appearance:</b>	Liquid	<b>Flash Point:</b>	Not available
<b>Physical State:</b>	Liquid	<b>Flammability:</b>	Not available
<b>Physical Form:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Color:</b>	Assorted colors	<b>Vapor Density (air=1):</b>	Not available
<b>Odor:</b>	Odorless	<b>Evaporation Rate:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Specific Gravity:</b>	1.13 – 1.18
<b>pH:</b>	<=9.5	<b>Density:</b>	9.2 – 9.85 Lbs/Gal
<b>Melting Point:</b>	Not available	<b>Water Solubility:</b>	Soluble
<b>Freezing Point:</b>	Not available	<b>Coeff.Water/Oil Dist:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Volatility:</b>	Not available
<b>Viscosity:</b>	12000 – 45000 cP		

### \*\*\* Section 10 – STABILITY AND REACTIVITY \*\*\*

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Conditions to Avoid

None reported.

#### Materials to Avoid

Oxidizing materials.

#### Decomposition Products

Oxides of carbon.

#### Possibility of Hazardous Reactions

Will not polymerize.

### \*\*\* Section 11 – TOXICOLOGICAL INFORMATION \*\*\*

#### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

#### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, or DFG.

#### RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### \*\*\* Section 12 – ECOLOGICAL INFORMATION \*\*\*

#### Component Analysis – Aquatic Toxicity

No LOLI ecotoxicity data is available for this product's components.



## SAFETY DATA SHEET

SARGENT METALLIC ACRYLIC PAINT  
Issue date: 10/15/2012

SDS ID: 00151012  
Revision Date: ---

### \*\*\* Section 13 – DISPOSAL CONSIDERATION \*\*\*

#### Disposal Methods

Dispose in accordance with all applicable regulations.

#### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

### \*\*\* Section 14 – TRANSPORT INFORMATION \*\*\*

<b>US DOT Information:</b>	Not Regulated.
<b>TDG Information:</b>	Not Regulated.
<b>ADR Information:</b>	Not Regulated.
<b>RID Information:</b>	Not Regulated.
<b>IATA Information:</b>	Not Regulated.
<b>ICAO Information:</b>	Not Regulated.
<b>IMDG Information:</b>	Not Regulated.

### \*\*\* Section 15 – REGULATORY INFORMATION \*\*\*

#### U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No    Chronic Health: No    Fire: No    Pressure: No    Reactive: No

#### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

#### Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

#### Component Analysis – Inventory

No information is available.

### \*\*\* Section 16 – OTHER INFORMATION \*\*\*

#### Allergens:

This product do not contain common allergens such as latex, eggs, milk, wheat, gluten, soy, sunflower or other seeds, tree nuts, and peanuts.



## SAFETY DATA SHEET

SARGENT METALLIC ACRYLIC PAINT

Issue date: 10/15/2012

SDS ID: 00151012

Revision Date: ---

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR – European Road Transport; AU – Australia; BOD – Biochemical Oxygen Demand; C – Celsius; CA – Canada; CAS – Chemical Abstracts Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CN – China; CPR – Controlled Products Regulations; DFG – Deutsche Forschungsgemeinschaft; DOT – Department of Transportation; DSL – Domestic Substances List; EEC – European Economic Community; EINECS – European Inventory of Existing Commercial Chemical Substances; EPA – Environmental Protection Agency; EU – European Union; F – Fahrenheit; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; ICAO – International Civil Agency Organization; IDL – Ingredient Disclosure List; IDLH – Immediately Dangerous to Life and Health; IMDG – International Maritime Dangerous Goods; JP – Japan; Kow – Octanol/water partition coefficient; KR – Korea; LEL – Lower Explosive Limit; LOLI – List Of Lists – ChemADVIUSOR's Regulatory Database; MAK – Maximum Concentration Value in the Workplace; MEL – Maximum Exposure Limits; NFPA – National Fire Protection Agency; NIOSH – National Institute for Occupational Safety and Health; NJTSR – New Jersey Trade Secret Registry; NTP – National Toxicology Program; NZ – New Zealand; OSHA – Occupational Safety and Health Administration; PH – Philippines; RCRA – Resource Conservation and Recovery Act; RID – European Rail Transport; RTECS – Registry of Toxic Effects of Chemical Substances; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-term Exposure Limit; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; UEL – Upper Explosive Limit; US – United States.

### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



## SAFETY DATA SHEET

SARGENT METALLIC TEMPERA  
Issue date: 10/03/2012

SDS ID: 00031012  
Revision Date: 09/20/2013

### \*\*\* Section 1 – PRODUCT AND COMPANY IDENTIFICATION \*\*\*

**Product Name:** SARGENT METALLIC TEMPERA

SARGENT ART, INC

Phone: 1-800-424-3596

100 East Diamond Ave.  
Hazleton, PA 18201  
www.sargentart.com

Health Emergency – Call local Poison Control Center

**Synonyms:** 680 Series; 8oz Clear Bottle (Pack of 6).  
8oz. & 16oz. opaque bottles (Pack of 6).

**Product Codes:** 22-50xx; 22-5099; 22-53mm; 22-5306; 22-54mm; 22-5406.

**Product Use:** Arts and Crafts

### \*\*\* Section 2 – HAZARD(S) IDENTIFICATION \*\*\*

#### EMERGENCY OVERVIEW

**Color:** various colors  
**Physical Form:** liquid

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

### \*\*\* Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*

CAS	Component	Percent	Symbol	Risk Phrase(s)
Not Available	Product has been certified as non-toxic by the US Board Certifies Toxicologist and Conforms to ASTM D-4236 standard practice for Labeling Art Materials for acute and chronic adverse health hazards.	100	---	---

### \*\*\* Section 4 – FIRST AID MEASURES \*\*\*

#### Inhalation

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

#### Skin

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

#### Eyes



## SAFETY DATA SHEET

SARGENT METALLIC TEMPERA

Issue date: 10/03/2012

SDS ID: 00031012

Revision Date: 09/20/2013

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

### Ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort occurs.

### \*\*\* Section 5 – FIRE FIGHTING MEASURES \*\*\*

See Section 9 for Flammability Properties

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Flammable Properties

Slight fire hazard.

### Extinguishing Media

Regular dry chemical, carbon dioxide, water, regular foam

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

### \*\*\* Section 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

### Occupational spill/release

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

### \*\*\* Section 7 – HANDLING AND STORAGE \*\*\*

### Handling Procedures

Provide adequate ventilation. Wear appropriate protection equipment. Avoid breathing mist or vapor. Avoid contact with eyes and prolonged skin contact. Do not taste or swallow. Keep the workplace clean. Observe good industrial hygiene practices.

### Storage Procedures

Store in a well-ventilated place. Store in closed original container at room temperature.

### \*\*\* Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*

### Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.

### Ventilation

Based on available information, additional ventilation is not required.

### PERSONAL PROTECTIVE EQUIPMENT

#### Eyes/Face

Eye protection not required under normal conditions.

#### Protective Clothing

Protective clothing is not required under normal conditions.

#### Glove Recommendations

Protective gloves are not required under normal conditions.

#### Respiratory Protection



## SAFETY DATA SHEET

SARGENT METALLIC TEMPERA  
Issue date: 10/03/2012

SDS ID: 00031012  
Revision Date: 09/20/2013

No respirator is required under normal conditions of use.  
Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

### \*\*\* Section 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

<b>Appearance:</b>	Liquid	<b>Flash Point:</b>	Not available
<b>Physical State:</b>	Liquid	<b>Flammability:</b>	Not available
<b>Physical Form:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Color:</b>	Assorted colors	<b>Vapor Density (air=1):</b>	Not available
<b>Odor:</b>	Odorless	<b>Evaporation Rate:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Specific Gravity:</b>	1.13 – 1.18
<b>pH:</b>	<=9.5	<b>Density:</b>	9.2 – 9.85 Lbs/Gal
<b>Melting Point:</b>	Not available	<b>Water Solubility:</b>	Soluble
<b>Freezing Point:</b>	Not available	<b>Coeff.Water/Oil Dist:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Volatility:</b>	Not available
<b>Viscosity:</b>	12000 – 45000 cP		

### \*\*\* Section 10 – STABILITY AND REACTIVITY \*\*\*

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Conditions to Avoid

None reported.

#### Materials to Avoid

Oxidizing materials.

#### Decomposition Products

Oxides of carbon.

#### Possibility of Hazardous Reactions

Will not polymerize.

### \*\*\* Section 11 – TOXICOLOGICAL INFORMATION \*\*\*

#### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

#### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, or DFG.

#### RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### \*\*\* Section 12 – ECOLOGICAL INFORMATION \*\*\*

#### Component Analysis – Aquatic Toxicity



## SAFETY DATA SHEET

SARGENT METALLIC TEMPERA  
Issue date: 10/03/2012

SDS ID: 00031012  
Revision Date: 09/20/2013

No LOLI ecotoxicity data is available for this product's components.

### \*\*\* Section 13 – DISPOSAL CONSIDERATION \*\*\*

#### Disposal Methods

Dispose in accordance with all applicable regulations.

#### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

### \*\*\* Section 14 – TRANSPORT INFORMATION \*\*\*

US DOT Information:	Not Regulated.
TDG Information:	Not Regulated.
ADR Information:	Not Regulated.
RID Information:	Not Regulated.
IATA Information:	Not Regulated.
ICAO Information:	Not Regulated.
IMDG Information:	Not Regulated.

### \*\*\* Section 15 – REGULATORY INFORMATION \*\*\*

#### U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No      Chronic Health: No      Fire: No      Pressure: No      Reactive: No

#### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

#### Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

#### Component Analysis – Inventory

No information is available.

### \*\*\* Section 16 – OTHER INFORMATION \*\*\*

#### Allergens:

This product do not contain common allergens such as latex, eggs, milk, wheat, gluten, soy, sunflower or other seeds, tree nuts, and peanuts.



## SAFETY DATA SHEET

SARGENT METALLIC TEMPERA

Issue date: 10/03/2012

SDS ID: 00031012

Revision Date: 09/20/2013

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Agency Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists - ChemADVIUSOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.





## SAFETY DATA SHEET

**SAX LIQUID WATERCOLORS**  
Issue date: 02/11/2013

SDS ID: 00110214  
Revision Date: ---

### \*\*\* Section 1 – PRODUCT AND COMPANY IDENTIFICATION \*\*\*

**Product Name:** SAX LIQUID WATERCOLORS

SCHOOL SPECIALTY

Phone: 1-920-243-5225

W6316 Design Drive.  
Greenville, WI 54912-1579  
www.schoolspecialty.com

Health Emergency – Call local Poison Control Center

**Synonyms:** 8 oz Liquid Watercolors (Yellow, Orange, Gold, Red, Magenta, Violet, Blue, Turquoise, Green, Pearl, Antique Gold, Gold, Silver, Black, Brown, Copper)

**Product Codes:** 14-6002, 14-6014, 14-6018, 14-6020, 14-6038, 14-6042, 14-6050, 14-6061, 14-6066, 14-6071, 14-6075, 14-6081, 14-6082, 14-6085, 14-6088, 14-6094, 14-6097, 14-6098, 14-6099.

**Product Use:** Arts and Crafts

### \*\*\* Section 2 – HAZARD(S) IDENTIFICATION \*\*\*

#### EMERGENCY OVERVIEW

**Color:** various colors  
**Physical Form:** solid  
**Odor:** odorless

#### POTENTIAL HEALTH EFFECTS

**Inhalation:** none  
**Skin Contact:** none  
**Eye Contact:** none  
**Ingestion:** none

### \*\*\* Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS \*\*\*

CAS	Component	Percent	Symbol	Risk Phrase(s)
Not Available	Product has been certified as non-toxic by the US Board Certifies Toxicologist and Conforms to ASTM D-4236 standard practice for Labeling Art Materials for acute and chronic adverse health hazards.	100	---	---



## SAFETY DATA SHEET

SAX LIQUID WATERCOLORS  
Issue date: 02/11/2013

SDS ID: 00110214  
Revision Date: ---

### \*\*\* Section 4 – FIRST AID MEASURES \*\*\*

#### Inhalation

It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

#### Skin

It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

#### Eyes

It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

#### Ingestion

Contact local poison control center or physician immediately.

### \*\*\* Section 5 – FIRE FIGHTING MEASURES \*\*\*

See Section 9 for Flammability Properties

#### NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Flammable Properties

Slight fire hazard.

#### Extinguishing Media

Regular dry chemical, carbon dioxide, water, regular foam

#### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

### \*\*\* Section 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

#### Occupational spill/release

Collect spilled material in appropriate container for disposal.

### \*\*\* Section 7 – HANDLING AND STORAGE \*\*\*

#### Handling Procedures

Use methods to minimize dust.

#### Storage Procedures

Store and handle in accordance with all current regulations and standards. See original containers for storage recommendations. Keep separated from incompatible substances.

### \*\*\* Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION \*\*\*

#### Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.



## SAFETY DATA SHEET

SAX LIQUID WATERCOLORS  
Issue date: 02/11/2013

SDS ID: 00110214  
Revision Date: ---

### Ventilation

Based on available information, additional ventilation is not required.

### PERSONAL PROTECTIVE EQUIPMENT

#### Eyes/Face

Eye protection not required under normal conditions.

#### Protective Clothing

Protective clothing is not required under normal conditions.

#### Glove Recommendations

Protective gloves are not required under normal conditions.

#### Respiratory Protection

No respirator is required under normal conditions of use.

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

### \*\*\* Section 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

<b>Appearance:</b>	Liquid	<b>Flash Point:</b>	Not available
<b>Physical State:</b>	Liquid	<b>Flammability:</b>	Not available
<b>Physical Form:</b>	Liquid	<b>Vapor Pressure:</b>	Not available
<b>Color:</b>	Assorted colors	<b>Vapor Density (air=1):</b>	Not available
<b>Odor:</b>	Odorless	<b>Evaporation Rate:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Specific Gravity:</b>	Not available
<b>pH:</b>	Not available	<b>Density:</b>	Not available
<b>Melting Point:</b>	Not available	<b>Water Solubility:</b>	Not available
<b>Freezing Point:</b>	Not available	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Volatility:</b>	Not available
<b>Viscosity:</b>	Not available		

### \*\*\* Section 10 – STABILITY AND REACTIVITY \*\*\*

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Conditions to Avoid

None reported.

#### Materials to Avoid

Oxidizing materials.

#### Decomposition Products

Oxides of carbon.

#### Possibility of Hazardous Reactions

Will not polymerize.

### \*\*\* Section 11 – TOXICOLOGICAL INFORMATION \*\*\*



## SAFETY DATA SHEET

SAX LIQUID WATERCOLORS  
Issue date: 02/11/2013

SDS ID: 00110214  
Revision Date: ---

### Component Analysis – LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, or DFG.

### RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

## \*\*\* Section 12 – ECOLOGICAL INFORMATION \*\*\*

### Component Analysis – Aquatic Toxicity

No LOLI ecotoxicity data is available for this product's components.

## \*\*\* Section 13 – DISPOSAL CONSIDERATION \*\*\*

### Disposal Methods

Dispose in accordance with all applicable regulations.

### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

## \*\*\* Section 14 – TRANSPORT INFORMATION \*\*\*

US DOT Information:	Not Regulated.
TDG Information:	Not Regulated.
ADR Information:	Not Regulated.
RID Information:	Not Regulated.
IATA Information:	Not Regulated.
ICAO Information:	Not Regulated.
IMDG Information:	Not Regulated.

## \*\*\* Section 15 – REGULATORY INFORMATION \*\*\*

### U.S. Federal Regulations

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

### SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No    Chronic Health: No    Fire: No    Pressure: No    Reactive: No



## SAFETY DATA SHEET

**SAX LIQUID WATERCOLORS**  
Issue date: 02/11/2013

SDS ID: 00110214  
Revision Date: ---

### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

### Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

### Component Analysis – Inventory

No information is available.

## \*\*\* Section 16 – OTHER INFORMATION \*\*\*

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR – European Road Transport; AU – Australia; BOD – Biochemical Oxygen Demand; C – Celsius; CA – Canada; CAS – Chemical Abstracts Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; CN – China; CPR – Controlled Products Regulations; DFG – Deutsche Forschungsgemeinschaft; DOT – Department of Transportation; DSL – Domestic Substances List; EEC – European Economic Community; EINECS – European Inventory of Existing Commercial Chemical Substances; EPA – Environmental Protection Agency; EU – European Union; F – Fahrenheit; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; ICAO – International Civil Agency Organization; IDL – Ingredient Disclosure List; IDLH – Immediately Dangerous to Life and Health; IMDG – International Maritime Dangerous Goods; JP – Japan; Kow – Octanol/water partition coefficient; KR – Korea; LEL – Lower Explosive Limit; LOLI – List Of Lists – ChemADVIUSOR's Regulatory Database; MAK – Maximum Concentration Value in the Workplace; MEL – Maximum Exposure Limits; NFPA – National Fire Protection Agency; NIOSH – National Institute for Occupational Safety and Health; NJTSR – New Jersey Trade Secret Registry; NTP – National Toxicology Program; NZ – New Zealand; OSHA – Occupational Safety and Health Administration; PH – Philippines; RCRA – Resource Conservation and Recovery Act; RID – European Rail Transport; RTECS – Registry of Toxic Effects of Chemical Substances; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-term Exposure Limit; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substances Control Act; TWA – Time Weighted Average; UEL – Upper Explosive Limit; US – United States.

### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

# MATERIAL SAFETY DATA SHEET

**COMPANY NAME:****SAX/SCHOOL SPECIALTY**

PO Box 1579, Appleton, WI 54912-1579

Phone: 888-388-3224 Fax: 888-388-6344 www.saxarts.com

**If swallowed, call your poison control center at 1-800-222-1222.****PRODUCT NAME:**

Sax Odorless Mineral Spirits

**NUMBER:** 4739**CHEMICAL NAME:**

Naphtha (Petroleum), Heavy Alkylate

**24 HOUR EMERGENCY CONTACT:****CHEMTREC****1-800-424-9300 (DOMESTIC)****1-703-527-3887 (INTERNATIONAL)**

**Sax Odorless Mineral Spirits (4739)**  
has been reviewed and certified by the Arts and Creative Materials Institute.  
It bears the CL seal. This product conforms to ASTM D-4236, Standard Practice  
of Labeling Art Materials for Acute and Chronic Adverse Health Hazards.

**SECTION 1 - COMPOSITION INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
Naphtha (Petroleum), Heavy Alkylate	64741-65-7	100%W

**SECTION 2 - HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****APPEARANCE AND ODOR:** Light colored. Liquid. Hydrocarbon.**HEALTH HAZARDS:** Harmful: may cause lung damage if swallowed.**SAFETY HAZARDS:** Combustible liquid. Vapors are heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.**ENVIRONMENTAL HAZARDS:** May cause long-term adverse effects in the aquatic environment.**POTENTIAL HEALTH EFFECTS****EYE CONTACT:** Vapors may be irritating to the eye**SKIN CONTACT:** May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking.**INHALATION:** Vapors expected to be slightly irritating**INGESTION:** Harmful: may cause lung damage if swallowed

**OTHER INFORMATION:** Possibility of organ or organ system damage from prolonged exposure; See Section 11 for details. Target organ(s): Cardiovascular system, Central nervous system (CNS)

**SIGNS AND SYMPTOMS:** Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever.

**AGGRAVATED MEDICAL CONDITION:** Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Respiratory system, Skin, Eyes.

**ENVIRONMENTAL HAZARDS:** May cause long-term adverse effects in the aquatic environment.

#### **SECTION 4 - FIRST AID MEASURES**

**GENERAL INFORMATION:** In general, no treatment is necessary; however, obtain medical advice.

**INHALATION:** Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**SKIN CONTACT:** Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

**EYE CONTACT:** Flush eyes with water while holding eyelids open. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling persists, transport to the nearest medical facility for additional treatment.

**INGESTION:** If swallowed, do not induce vomiting; transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**ADVICE TO PHYSICIAN:** Causes central nervous system depression. Dermatitis may result from prolonged or repeated exposure. Potential for chemical pneumonitis. Consider: gastric lavage with protected airway, administration of activated charcoal.

#### **SECTION 5 - FIRE-FIGHTING MEASURES**

Clear fire area of all non-emergency personnel.

**FLASH POINT:** 50 °C/ 124 °F (Tagliabue Closed Cup)

**EXPOSITION/FLAMMABILITY LIMITS IN AIR:** 0.6-7.0% (V)

**AUTO IGNITION TEMPERATURE:** 347.8 °C/ 658.0 °F

**SPECIFIC HAZARDS:** Carbon Monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapor is heavier than air, spreads along the ground and distant ignition is possible.

**EXTINGUISHING MEDIA:** Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use water in a jet.

**PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** Wear full protective clothing and self-contained breathing apparatus.

**ADDITIONAL ADVICE:** Keep adjacent containers cool by spraying with water.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Observe all relevant local and international regulations.

**PROTECTIVE MEASURES:** Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Section 8 of this MSDS. For guidance on disposal of spilled material see Section 13 of the MSDS. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches, or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas indicator.

**CLEAN UP METHODS:** For small liquid spills (<1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For large liquid spills (>1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

**ADDITIONAL ADVICE:** See Section 13 for information on disposal. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. U.S. regulations may require reporting releases of this material to the environment which exceed the reportable quantity (refer to Section 15) to the National Response Center at (800) 424-8802. Under Section 311 of the Clean Water Act (CWA) this material is considered an oil. As such, spills into surface waters must be reported to the National Response Center at (800) 424-8802. This material is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Petroleum Exclusion. Therefore, releases to the environment may not be reportable under CERCLA.

## **SECTION 7 - HANDLING AND STORAGE**

**GENERAL PRECAUTIONS:** Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Section 8 of the MSDS. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

**HANDLING:** Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Avoid contact with skin, eyes, and clothing. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge ( $\leq 1$  m/sec) until fill pipe submerged to twice its diameter, then ( $\leq 7$  m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharge, or handling operations.

**STORAGE:** Must be stored in a diked (bunded) area. Bulk storage tanks should be diked (bunded). Keep away from flammables, oxidizing agents, and corrosives. Storage Temperature: Ambient.

**PRODUCT TRANSFER:** Keep containers closed when not in use. Do not use compressed air for filling, discharge, or handling.

**RECOMMENDED MATERIALS:** For containers, or container linings use mild steel, stainless steel. For container paints, use epoxy paint, zinc silicate paint.

**UNSUITABLE MATERIALS:** Avoid prolonged contact with natural, butyl or nitrile rubbers.

**CONTAINER ADVICE:** Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld, or perform similar operations on or near containers.



## **SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Occupational Exposure Limits**

In the absence of occupational exposure standards for this product, it is recommended that the following are adopted.

Material	Source	Type	ppm	mg/m3	Notation
Stoddard Solvent	ACGIH	TWA	100 ppm		
	OSHA Z1	PEL	500 ppm	2,900 mg/m3	
	OSHA Z1A	TWA	100 PPM	525 MG/M3	

**ADDITIONAL INFORMATION:** Manufacturer has adopted as Interim Standards, the OSHA PELs that were established in 1989 and later rescinded. Wash hands before eating, drinking, smoking, and using the toilet.

**EXPOSURE CONTROLS:** The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate explosion proof ventilation to control airborne concentrations below the exposure guidelines/limits. Eye washes and showers for emergency use.

**PERSONAL PROTECTIVE EQUIPMENT:** Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

**RESPIRATORY PROTECTION:** If engineering controls do not maintain airborne concentrations to a level, which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask & filter. Select a filter suitable for organic gases and vapors [boiling point <65 °C (149 °F)] where air-filtering respirators are unsuitable (e.g. concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus.

**HAND PROTECTION:** Longer term protection: Nitrile rubber gloves. Incidental contact/ Splash protection: PVC or neoprene rubber gloves.

**EYE PROTECTION:** Chemical splash goggles (chemical monogoggles)

**PROTECTIVE CLOTHING:** Use protective clothing, which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

**MONITORING METHODS:** Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate. Examples of sources of recommended air monitoring methods are given below or contact supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of analytical Methods  
[www.cdc.gov/niosh/nmam/nmammenu.html](http://www.cdc.gov/niosh/nmam/nmammenu.html)

Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods [www.osha-slc.gov/dts/sltc/methods/toc.html](http://www.osha-slc.gov/dts/sltc/methods/toc.html)

Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances [www.hsl.gov.uk/search.htm](http://www.hsl.gov.uk/search.htm)

**ENVIRONMENTAL EXPOSURE CONTROLS:** Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapor.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Light colored. Liquid

Odor: Hydrocarbon

Boiling point: 175.0-195.0 °C / 347.0-383.0 °F

Flash point: 51 °C / 124 °F (Tagliabue Closed Cup)

Explosion/Flammability limits in air: .06-7.0% (V)

Auto-ignition temperature: 347.8 °C / 658.0 °F

Vapor pressure: .07kPa at 20 °C / 68 °F

Specific gravity: .758 at 15.6 °C / 60.0 °F  
Water solubility: .05 g/l Negligible  
Vapor density (air=1): 5.3  
State of aggregation: Liquid/solid  
Stability: Stable  
Volatile organic carbon content: 100%  
Evaporation rate (nBuAc=1): .1 (ASTM D 3539, nBuAc=1)

## **SECTION 10 – STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal conditions of use.

**CONDITIONS TO AVOID:** Avoid heat, sparks, open flames and other ignition sources.

**MATERIALS TO AVOID:** Strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

**BASIS FOR ASSESSMENT:** Information given is based on product testing, and/or similar products, and/or components

**ACUTE ORAL TOXICITY:** Low toxicity: LD50>2000 mg/kg, Rat. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis, which can be fatal.

**ACUTE DERMAL TOXICITY:** Low toxicity: LD50>2000 mg/kg, Rat

**ACUTE INHALATION TOXICITY:** Low toxicity: LC50 greater than near-saturated vapor concentration. /1 hours, Rat

**SKIN IRRITATION:** May cause moderate irritation to skin. Prolonged/Repeated contact may cause defatting of the skin, which can lead to dermatitis.

**EYE IRRITATION:** Essentially non-irritating to eyes

**REPEATED DOSE TOXICITY:** Cardiovascular system: chronic abuse of similar materials has been associated with irregular heart rhythms and cardiac arrest. Central nervous system: repeated exposure affects the nervous system. Kidney: caused kidney effects in male rats which are not considered relevant to humans.

## **SECTION 12 – ECOLOGICAL INFORMATION**

### **ACUTE TOXICITY**

**FISH:** Expected to have low toxicity: LC/EC/IC50>1000 mg/l

**AQUATIC INVERTABRATES:** Expected to have low toxicity: LC/EC/IC50>1000 mg/l

**ALGAE:** Expected to have low toxicity: LC/EC/IC50>1000 mg/l

**MICROORGANISMS:** Expected to have low toxicity: LC/EC/IC50>1000 mg/l

**MOBILITY:** Absorbs to soil and has low mobility. Floats on water.

**PERSISTENCE/DEGRADABILITY:** Oxidizes rapidly by photo-chemical reactions in air. Expected to be not inherently biodegradable.

**BIOACCUMULATION:** Has the potential to bioaccumulate

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

**MATERIAL DISPOSAL:** Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classifications and disposal methods in compliance with applicable regulations.

**CONTAINER DISPOSAL:** Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Refer to Section 7 before handling the product or containers. Residues may cause an explosion hazard if heated above the flash point. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer

**LOCAL LEGISLATION:** Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

## **SECTION 14 – TRANSPORT INFORMATION**

### **US DEPARTMENT OF TRANSPORTATION CLASSIFICATION (49CFR)**

Identification number	UN 1268
Proper shipping name	Petroleum distillates, n.o.s.
Class/Division	3
Packing group	III
Contains OIL	
Emergency Response Guide No.	128
Additional Information	This material is an 'OIL' under 49 CFR Part 130 when transported in a container of 3500 gallon capacity or greater

### **IMDG**

Identification number	UN 1268
Proper shipping name	Petroleum distillates, n.o.s.
Class/Division	3
Packing group	III
Marine Pollutant	No

### **IATA (Country variations may apply)**

Identification number	UN 1268
Proper shipping name	Petroleum distillates, n.o.s.
Class/Division	3
Packing group	III

## **SECTION 15 – REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

### **Federal Regulatory Status**

#### **Notification Status**

AICS	Listed
DSL	Listed
INV (CN)	Listed
TSCA	Listed
EINECS	Listed 265-067-2
KECI (KR)	Listed KE-18190
PICCS (PH)	Listed

**SARA Hazard Categories (311/312)**  
Delayed (Chronic) Health Hazard. Fire Hazard

### State Regulatory Status

#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### **SECTION 16 - OTHER INFORMATION**

<b>HMIS Rating (Health, Fire, Reactivity):</b>	1,2,0
<b>NFPA Rating (Health, Fire, Reactivity):</b>	1,2,0
<b>MSDS Effective Date:</b>	3/23/07
<b>MSDS Regulations:</b>	The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910. 1200.
<b>Uses and Restrictions:</b>	Industrial Solvent
<b>MSDS Distribution:</b>	The information in this document should be made available to all who may handle the product
<b>Disclaimer:</b>	The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.

# Material Safety Data Sheet

SAX TRUE COLOR TEMPERA

CHROMA ACRYLICS, INC.  
 Manufacturer  
205 BUCKY DRIVE  
 Address  
LITITZ, PA 17543  
(717) 626-8866  
 Phone Number (For Information)  
(717) 626-8866  
 Emergency Phone Number

Identify (Trade Name As Used On Label)  
 MSDS Number  
 CAS Number 1/02  
 Date Prepared  
 Prepared By  
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogen 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
PRODUCT IS WATER BASED, NON-TOXIC, NON-HAZARDOUS				
TEMPERA COLORS IN LIQUID FORM. CERTIFIED NON TOXIC BY THE ART & CRAFT MATERIALS INSTITUTE.				
1. WATER	50-75%			
2. VARIOUS, ASSORTED COLOR & REFLECTIVE PIGMENTS				
3. CALCIUM CARBONATE				
4. ACRYLIC THICKENERS				
5. DISPERSANT				
6. PRESERVATIVE-NON-HAZARDOUS AT LEVEL USED (.4%)				
*ALL INFORMATION THE SAME FOR ALL SIZES & COLORS				
Non-Hazardous Ingredients				
TOTAL	100			

## SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point <u>215-275°F</u>	Specific Gravity (H <sub>2</sub> O = 1) <u>NOT KNOWN</u>
Vapor Pressure (mm Hg and temperature) <u>NOT KNOWN</u>	Melting Point <u>NOT KNOWN</u>
Vapor Density (Air = 1) <u>LIGHTER THAN AIR</u>	Evaporation Rate <u>- II SLOWER THAN ETHER</u>
Solubility in Water <u>TOTALLY SOLUBLE</u>	Water Reactive <u>NOT KNOWN</u>

Appearance and Odor LIQUID WATER BASED TEMPERA PAINTS IN ASSORTED COLORS. POSSIBLE SLIGHT AMMONIA S

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used <u>N/A</u>	Auto-ignition Temperature <u>N/A</u>	Flammability Limits in Air % by Volume <u>N/A</u>	LEL <u>UNKNOWN</u>	UEL <u>UNKNOWN</u>
Extinguisher Media <u>NOT APPLICABLE</u>				
Special Fire Fighting Procedures <u>NOT APPLICABLE</u>				
Unusual Fire and Explosion Hazards <u>NOT APPLICABLE</u>				

\*Optional

**SECTION 4 - REACTIVITY HAZARD DATA**

<b>STABILITY</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	<b>Conditions To Avoid</b> NOT APPLICABLE
<b>Incompatibility (Materials to Avoid)</b> NONE	
<b>Hazardous Decomposition Products</b> NONE	
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	<b>Conditions To Avoid</b> NOT APPLICABLE

**SECTION 5 - HEALTH HAZARD DATA**

<b>PRIMARY ROUTES OF ENTRY</b> <input type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Not Hazardous	<input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Not Hazardous	<b>CARCINOGEN LISTED IN</b> <input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph <input checked="" type="checkbox"/> OSHA Not Listed
<b>Acute</b> NONE		
<b>Signs and Symptoms of Exposure</b> NONE		
<b>Medical Conditions Generally Aggravated by Exposure</b> NONE		
<b>EMERGENCY FIRST AID PROCEDURES - Seek medical assistance for further treatment, observation and support if necessary.</b>		
<b>Eye Contact</b> NONE		
<b>Skin Contact</b> NONE		
<b>Inhalation</b> NONE		
<b>Ingestion</b> NONE		

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

<b>Respiratory Protection (Specify Type)</b> NONE NEEDED UNDER NORMAL CONDITIONS	<b>Protective Gloves</b> NOT REQUIRED	<b>Eye Protection</b> NOT REQUIRED
<b>VENTILATION TO BE USED</b> <input type="checkbox"/> Local Exhaust N/A <input type="checkbox"/> Other (specify) N/A	<input type="checkbox"/> Mechanical (general) N/A	<input type="checkbox"/> Special N/A
<b>Other Protective Clothing and Equipment</b> NOT REQUIRED		
<b>Hygienic Work Practices</b> AS WITH ANY WATER BASED PRODUCT		

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES**

**Steps to be Taken if Material is Spilled Or Released** DIKE AND CONTAIN SPILL WITH INERT MATERIALS (SAND, SAWDUST, ETC.) AND TRANSFER CONTENTS TO CONTAINERS FOR DISPOSAL.

**Waste Disposal Methods** NORMAL DISPOSAL

**Precautions to be Taken in Handling and Storage** NO PARTICULAR PRECAUTIONS

**Other Precautions and/or Special Hazards** NONE

<b>NFPA Rating*</b> Health _____ Flammability _____ Reactivity _____ Special _____	<b>HMS Rating*</b> Health _____ Flammability _____ Reactivity _____ Personal Protection _____
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# SAFETY DATA SHEET

MATERIAL NAME: SAX TRUE FLOW ACRYLIC

LAST REVISION: 01/30/2017

## SECTION 1: IDENTIFICATION

### Material Name

SAX TRUE FLOW ACRYLIC

### Product Number

Various  
(All information the same for all colors and sizes.)

### Company Information

SAX / SCHOOL SPECIALTY  
P.O. Box 1579  
Appleton, WI 54912-1579  
U.S.A  
Phone: 888-388-3224  
Fax: 888-388-6344  
Website: [www.saxarts.com](http://www.saxarts.com); [www.schoolspecialty.com](http://www.schoolspecialty.com)

For Health Emergencies Call the Poison Control Center: 1-888-516-2502  
Seek medical assistance for further treatment, observation and support, if necessary.

## SECTION 2: HAZARD IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

There are no GHS label elements.

Primary Routes of Entry: Inhalation, Ingestion, Eye, Skin

Effects and Symptoms of Acute Exposure: None Expected

Effects and Symptoms of Chronic Exposure: None Expected

Carcinogen Listing: NTP: NO IARC: NO OSHA: NO

See Section 3 for Components Affected

Medical Conditions Usually Aggravated by Over Exposure to this Product: None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	PEL/TLV (MG/M#)	Max % Weight	NTP	IARC
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NONE

**SECTION 4 - FIRST AID MEASURES**

First Aid Measures: None Required

No Acute Health Effects Expected.

**SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point (Method): N/A

Autoignition Temperature: N/A

Explosion Limits in Air (% by Volume): Not Explosive

Extinguishing Media: No Special Media Required

Fire Fighting Procedures: No Special Fire Fighting Procedures Required

Unusual Fire & Explosion Hazards: Not Combustible

**SECTION 6 - ACCIDENT PREVENTION**

**Steps to be Taken in Case a Material is Spilled**

Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section 13.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling**

Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Respiratory Protection & Special Ventilation Requirements:** None needed under normal conditions of use

**Protective Gloves:** None needed under normal conditions of use

**Eye Protection:** None needed under normal conditions of use

**Other Protective Equipment:** None needed under normal conditions of use

**Engineering Controls:** None Required

**Hygienic Work Practices**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.



**SECTION 7 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: N/A  
Vapor Pressure: N/A  
Specific Vapor Density (AIR=1): N/A  
Solubility in Water: N/A

Specific Gravity (H2O=1): N/A  
Melting Point: N/A  
Reactivity in Water: Non-Reactive

**SECTION 8 - STABILITY AND REACTIVITY**

Stability (Conditions to Avoid): None  
Incompatibility (Materials to Avoid): None  
Hazardous Decomposition Products: None  
Hazardous Polymerization Products: None

**SECTION 9 - ACUTE TOXICITY**

Acute Effects Associated with the use of this material: None Expected

The summated LD50 is 21400 mg/kg.  
The summated LC50 is 41684 mg/cubic meter.  
This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section 3)

**SECTION 10 - ENVIRONMENTAL TOXICITY**

No harmful effects known other than those associated with suspended inert solids in water.

**SECTION 11 - REGULATORY INFORMATION**

RCRA Hazard Class (40 CFR 261): This product is not classified as hazardous waste.

Waste Disposal Method  
Dispose of in accordance with International, Federal, State and Local regulations.

**SECTION 12 - TRANSPORTATION INFORMATION**

U.S. DOT (49 CFR 172.101): This product is not a hazardous material as classified by CFR 172.101.

**SECTION 13 - CHEMICAL SAFETY HAZARD INFORMATION**

Contents of this SDS comply with OSHA Hazard Communications Standard 29 CFR 1910.1200 EPA SARA TITLE III  
Chemical Listings: None

Section 302.4 Extremely Hazardous Substances (40 CFR 355): None  
Section 313 Toxic Chemicals (40 CFR 372): None

## International Regulations

### Canadian WHMIS:

This product is a controlled product under Canada's Workplace Hazardous Materials Information System.

It contains the following toxic or highly toxic materials:

Ferric Oxide

Pigment Red 2 Dispersion

## Supplemental State Compliance Information

### US, New Jersey Right-to-Know

This product contains the following chemical(s) listed under New Jersey's Right to Know Program:

Ammonia Hydroxide

Pigment Red 101

Pigment Red 2 Dispersion

### US, Washington Children's Safe Products Act

This product contains the following chemical(s) requiring notification to the State of Washington under their Children's Safe Products Act:

None

**Under CPSC's consumer product regulations (16CFR1500.3 and 150014), this product has the following required acute and chronic hazard labeling: None**



All information the same for all sizes.

This product does not contain egg, dairy, wheat, gluten, soy or peanut products, by-products or derivatives.

This product does not contain latex materials or animal derived ingredients.

# Material Safety Data Sheet

SAX TRUE FLOW ACRYLIC GLOSS MEDIUM

**CHROMA INC.**

Manufacturer

205 BUCKY DRIVE

Address

LITITZ PA 17543

(717)626-8866

Phone Number (For Information)

(717)626-8866

Emergency Phone Number

Telex\*

Identity (Trade Name As Used On Label)

MSDS Number\*

CAS Number\*

01/12

Date Prepared

Prepared By\*

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS — Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
PRODUCT IS A WATER-BASED, NON-TOXIC, NON-HAZARDOUS ACRYLIC MEDIUM IN LIQUID FORM. CERTIFIED NON-TOXIC BY (ART & CREATIVE MATERIALS INSTITUTE).				
1. ACRYLIC EMULSION				
2. WATER				
3. PROPYLENE GLYCOL				
4. COALESCENT (TEXANOL)				
5. PRESERVATIVE - NON HAZARDOUS AT LEVEL USED				
Non-Hazardous Ingredients				
TOTAL	100			

## SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	215-275°F	Specific Gravity (H <sub>2</sub> O = 1)	NOT KNOWN
Vapor Pressure (mm Hg and Temperature)	NOT KNOWN	Melting Point	NOT KNOWN
Vapor Density (Air = 1)	LIGHTER THAN AIR	Evaporation Rate ( = 1)	SLOWER THAN ETHER
Solubility in Water	TOTALLY SOLUBLE	Water Reactive	NOT KNOWN

Appearance and Odor MEDIUM VISCOSITY, TRANSLUCENT LIQUID, NO ODOR

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	N/A	Auto-ignition Temperature	N/A	Flammability Limits in Air % by Volume	N/A	LEL	UNKNOWN	UEL	UNKNOWN
Extinguisher Media	N/A								
Special Fire Fighting Procedures	N/A								

Unusual Fire and Explosion Hazards N/A

\*Optional

**SECTION 4 - REACTIVITY HAZARD DATA** PAGE 2 - SAX TRUE FLOW ACRYLIC GLOSS MEDIUM

<b>STABILITY</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid N/A
Incompatibility (Materials to Avoid) NONE	
Hazardous Decomposition Products NONE	
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid N/A

**SECTION 5 - HEALTH HAZARD DATA**

<b>PRIMARY ROUTES OF ENTRY</b>	<input type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Not Hazardous	<b>CARCINOGEN LISTED IN</b>	<input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> Not Listed
<b>HEALTH HAZARDS</b>	Acute	NONE			
	Chronic	NONE			
Signs and Symptoms of Exposure NONE					
Medical Conditions Generally Aggravated by Exposure NONE					
<b>EMERGENCY FIRST AID PROCEDURES</b> - Seek medical assistance for further treatment, observation and support if necessary.					
Eye Contact NONE					
Skin Contact NONE					
Inhalation NONE					
Ingestion NONE					

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

Respiratory Protection (Specify Type) NONE NEEDED UNDER NORMAL CONDITIONS OF USE						
Protective Gloves NOT REQUIRED			Eye Protection NOT REQUIRED			
<b>VENTILATION TO BE USED</b>	<input type="checkbox"/> Local Exhaust	N/A	<input type="checkbox"/> Mechanical (general)	N/A	<input type="checkbox"/> Special	N/A
	<input type="checkbox"/> Other (specify) N/A					
Other Protective Clothing and Equipment NOT REQUIRED						
Hygienic Work Practices AS WITH ANY WATER-BASED PRODUCT						

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES**

Steps to be Taken if Material is Spilled Or Released	DIKE AND CONTAIN SPILL WITH INERT MATERIALS (SAND, SAWDUST, ETC.) AND TRANSFER CONTENTS TO CONTAINERS FOR DISPOSAL.
Waste Disposal Methods	NORMAL DISPOSAL
Precautions to be Taken in Handling and Storage	NO PARTICULAR PRECAUTIONS
Other Precautions and/or Special Hazards	NONE

NFPA Rating* Health	Flammability	Reactivity	Special	HMIS Rating* Health	Flammability	Reactivity	Personal Protection
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# SAFETY DATA SHEET

MATERIAL NAME: **SAX TRUE FLOW GESSO ACRYLIC WHITE**LAST REVISION: **04/19/2018**

## SECTION 1 – IDENTIFICATION

**Material Name**

SAX TRUE FLOW GESSO ACRYLIC WHITE

**Product Number**

Various

(All information the same for all sizes.)

**Company Information**

SAX / SCHOOL SPECIALTY

P.O. Box 1579

Appleton, WI 54912-1579

U.S.A

Phone: 888-388-3224

Fax: 888-388-6344

Website: [www.saxarts.com](http://www.saxarts.com); [www.schoolspecialty.com](http://www.schoolspecialty.com)

For Health Emergencies Call the Poison Control Center: 1-888-516-2502

Seek medical assistance for further treatment, observation and support, if necessary.

## SECTION 2 – HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

There are no GHS label elements.

**Primary Routes of Entry:** Inhalation, Ingestion, Eye, Skin**Effects and Symptoms of Acute Exposure:** None Expected**Effects and Symptoms of Chronic Exposure:** None Expected**Carcinogen Listing:** NTP: NO IARC: NO OSHA: NO

See Section 3 for Components Affected

**Medical Conditions Usually Aggravated by Over Exposure to this Product:** None**Health Statement**

Airborne particles contain a chemical known to the State of California to cause cancer.

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % Weight</u>	<u>NTP</u>	<u>IARC</u>
NONE					

### SECTION 4 – FIRST AID MEASURES

<b>Skin</b>	Wash skin with soap and water or use a product specifically formulated for water based acrylic removal. If irritation persists seek medical help.
<b>Eye</b>	Check for and remove any contact lenses. Flush eyes up to 15 minutes with water, holding eye lids open. If irritation persists seek medical help.
<b>Inhalation</b>	If person is showing adverse effects, remove person to fresh air. Seek medical help if symptoms occur.
<b>Ingestion</b>	Treat Symptomatically. Never give anything by mouth to an unconscious person. Seek medical help if symptoms occur. If swallowed, call your Poison Control Center at 1-800-222-1222.

Seek medical assistance for further treatment, observation and support, if necessary.

#### **Advice to Doctor:**

This product carries the A.P. Seal, conforms to ASTM D4236, and is certified non-toxic by a toxicologist in association with the Art & Craft Materials Institute, Hanson, MA 02341 USA.

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Flash Point (Method):</b>	N/A
<b>Autoignition Temperature:</b>	N/A
<b>Explosion Limits in Air (% by Volume):</b>	Not Explosive
<b>Extinguishing Media:</b>	No Special Media Required
<b>Fire Fighting Procedures:</b>	No Special Fire Fighting Procedures Required
<b>Unusual Fire &amp; Explosion Hazards:</b>	Not Combustible

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

#### **Steps to be Taken in Case a Material is Spilled**

Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section 13.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with dry earth, sand or other non-combustible material.

**Small Spills:** Mop up or absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

### **Environmental Precautions**

Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

## **SECTION 7 – HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

Avoid contact with eyes. Avoid skin contact.

Observe good hygiene practices; wash hands after use.

### **Storage Requirements**

Store at room temperature; keep from freezing.

Recommended storage conditions are between 34° F and 122 °F (1° C and 50 °C).

Store in original tightly closed container.

## **SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

**Respiratory Protection & Special Ventilation Requirements:** None needed under normal conditions of use

**Protective Gloves:** None needed under normal conditions of use

**Eye Protection:** None needed under normal conditions of use

**Other Protective Equipment:** None needed under normal conditions of use

**Engineering Controls:** None Required

### **Hygienic Work Practices**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**Specific Vapor Density (AIR=1):** N/A

**Solubility in Water:** N/A

**Specific Gravity (H2O=1):** N/A

**Melting Point:** N/A

**Evaporation Rate:** Slower than Ether

**Reactivity in Water:** Non-Reactive

**Appearance & Odor:** Thick Acrylic Liquid. May have slight ammonia smell.

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability (Conditions to Avoid):</b>	None
<b>Incompatibility (Materials to Avoid):</b>	None
<b>Hazardous Decomposition Products:</b>	None
<b>Hazardous Polymerization Products:</b>	None

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute Effects Associated with the use of this material:** None Expected

**The toxicological information for the components is:** Non-toxic

### **Art & Craft Materials Institute (ACMI):**

This product carries the A.P. Seal, conforms to ASTM D4236, and is certified non-toxic by a toxicologist in association with the Art & Craft Materials Institute, Hanson, MA 02341 USA.

## SECTION 12 – ECOLOGICAL INFORMATION

### **Ecotoxicity**

The product is not classified as environmentally hazardous.

No harmful effects known other than those associated with suspended inert solids in water.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**RCRA Hazard Class (40 CFR 261):** This product is not classified as hazardous waste.

### **Waste Disposal Method**

Dispose of in accordance with International, Federal, State and Local regulations.

## SECTION 14 – TRANSPORT INFORMATION

**U.S. DOT (49 CFR 172.101):** This product is not a hazardous material as classified by CFR 172.101.

## SECTION 15 – REGULATORY INFORMATION

### **US Federal Regulations**

Contents of this SDS comply with OSHA Hazard Communications Standard 29 CFR 1910.1200 EPA SARA TITLE III Chemical Listings: None

**Section 302.4 Extremely Hazardous Substances (40 CFR 355):** None

**Section 313 Toxic Chemicals (40 CFR 372):** None



## International Regulations

### Canadian WHMIS:

This product is a controlled product under Canada's Workplace Hazardous Materials Information System. It contains the following toxic or highly toxic materials:  
Propylene Glycol

## Supplemental State Compliance Information

### US, California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):  
This product contains a chemical known to the State of California to cause cancer.

### US, New Jersey Right-to-Know

This product contains the following chemical(s) listed under New Jersey's Right to Know Program:  
Ammonia Hydroxide

### US, Washington Children's Safe Products Act

This product contains the following chemical(s) requiring notification to the State of Washington under their Children's Safe Products Act:  
None

**Under CPSC's consumer product regulations (16CFR1500.3 and 1500.14), this product has the following required acute and chronic hazard labeling: None**

## SECTION 16 – OTHER INFORMATION

This product does not contain egg, dairy, wheat, gluten, soy or peanut products, by-products or derivatives.

This product does not contain latex materials or animal derived ingredients.



## SECTION 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

**Product Identification:** Sax True Flow® Gloss Glazes

**Product Usage:** Glazing of ceramic ware

**Product Identifier Codes:** 1300251-Brick , 407172-Bright Orange, 1300254-Canton Jade , 416923-Dry Champagne , 449801-Dutch Blue , 1300256-Foliage Green , 451550-Glade Green , 416929-Ivy Green , 1300252-Light Blue , 401465-Lilac , 416941-Mosaic Blue , 416932-Nautical Jade , 1300255-New Leaf , 1300253-Old Navy , 416920-Orange Slice , 1300250-Orange Squash , 401462-Pretty N' Pink, 416917-Raspberry Whip , 401463-Red Hot Red, 416947-Rich Chocolate , 416926-Sassy Yellow , 416950-Shiny Black , 416914-Snow White , 416938-Tahiti Blue , 406312-True Red , 449798-Wedgewood Blue , 416944-Wisteria Purple , 449813-Grape , 449837-Maple Sugar , 449846-Blue Gray , 449831-Creamy Peach , 449858-Spring Green , 1430117-Goldenrod , 1430124-Mushroom , 1430123-Tan , 1430126-Light Gray , 1430118-Orange , 1430120-Cranberry Red , 1430121-Purple , 1430122-Olive , 1430119-Salmon , 1430125-Dark Brown , 1430116-Pale Yellow , 1430115-Ivory

<b>Manufacturer:</b>	Coloramics, LLC (D.B.A. Mayco Colors)
	4077 Weaver Court South
	Hilliard, Ohio 43026
	United States of America
	(614) 876-1171

IN CASE OF EMERGENCY PLEASE CONTACT YOUR REGIONAL/LOCAL POISON CONTROL CENTER

## SECTION 2: HAZARDS IDENTIFICATION

**Classification of mixture:** Non-classified (1999/45/EEC)

Each glaze family is a mixture of ceramic material containing, water, non-leaded frits, clay, and other minerals and color pigments. Contains potential carcinogens: Crystalline silica (quartz), as an inhalation hazard, may be present if:

- Unfired, dried glaze is excessively handled and allowed to create dust.
- Mist is present after spray application

A few pigments may contain a very small amount of zirconium encapsulated cadmium, titanium dioxide, and other metals. Other ingredients present have no known acute toxicity.

**GHS Label Elements:** None Required

**Other Hazards:** None known

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Each glaze family contain proprietary mixtures of ceramic materials (listed below) and color pigments. Sax True Flow® Gloss Glazes are classified as non-hazardous.

Ingredients	CAS #	Ranges of Percentages
Water	7732-18-5	48.1% - 53%
Frit	65997-18-4	36.9% - 39%
Clay/Kaolin	1332-58-7	5.2% - 5.6%
Zinc Oxide	1314-13-2	0% - 0.7%
Zirconium Silicate (Zr Si O <sub>4</sub> )	14940-68-2	0% - 8.1%
Bentonite	1302-78-9	0.5% - 0.6%
Carboxymethylcellulose	9004-34-2	0.6% - 0.7%
Proxel	75037-67-1	0.1%
Pigments	varies	varies

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### SECTION 4: FIRST-AID MEASURES

- **Inhalation:** May cause irritation. Remove from exposure.
- **Skin:** May cause irritation. Wash skin with soap and water.
- **Eyes:** May cause irritation. Flush eyes with large quantities of water for at least 15 minutes. If irritation persists after washing, contact a physician.
- **Ingestion:** Contact a physician.

**Important Symptoms/Effects:** None Known

**Immediate Medical Attention/Special Treatment:** None Known

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### SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** None
- **Specific Hazards Arising From Chemical:** None
- **Special Protective Equipment and Precautions for Fire Fighters:** None

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions, Protective Equipment and/or Emergency Procedures:** None
- **Environmental Precautions:** None
- **Methods and Materials for Containment and Clean-Up:** Wipe/Mop spill area and rinse with water

## SECTION 7: HANDLING AND STORAGE

- **Precautions for Safe Handling:** Ventilation - local exhaust if spray application is used
- **Work/Hygienic Practices:** Food, beverages, and smoking materials should not be in the work area. Wash thoroughly before eating, drinking, smoking, or applying cosmetics.
- **Conditions for Safe Storage, Including Incompatibilities:** None

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients	CAS #	PEL	TLV
Zinc Oxide	1314-13-2	5 mg/m <sup>3</sup>	2.0 mg/m <sup>3</sup>

Remaining main glaze ingredients do not have formal Exposure Limits. Some pigments contain metals that have exposure limits (Co, TiO<sub>2</sub>, Cu, Cr, Mn) but are used in low levels.

These glazes are non-hazardous liquid mixtures of ceramic materials containing, water, non-leaded frits, clay, and other minerals and color pigments. These mixtures have no TLV or PEL

- **Engineer Control:** Adequate ventilation (local exhaust) if spray application is used.
- **Respiratory Protection:** Use a NIOSH approved respirator if spray application is used.
- **Protective Gloves:** Not normally needed.
- **Eye Protection:** Wear appropriate eye protection or safety glasses to keep mist out of eyes if spray application is used.
- **Personal Protective Clothing or Equipment:** Wear appropriate clean, protective clothing such as, but not limited to, overalls, smocks, and aprons.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colored and/or Clear Liquid Mixtures
<b>Odor/Odor Threshold:</b>	Negligible
<b>PH:</b>	N/A
<b>Boiling Point/Range:</b>	N/A
<b>Freezing point:</b>	32°F
<b>Flash Point:</b>	None
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Flammability:</b>	None
<b>Evaporation Rate:</b>	None

<b>Upper/Lower Explosive Limits:</b>	None
<b>Partition Coefficient (octanol/water):</b>	N/A
<b>Relative Density:</b>	N/A
<b>Solubility in Water:</b>	Partial
<b>Decompositional Temperature:</b>	None
<b>Viscosity:</b>	N/A
<b>Auto ignition temperature:</b>	None

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	None Known
<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	None Known
<b>Conditions to Avoid:</b>	Fumes from firing in kiln; Mist created from spray application.
<b>Incompatible Material:</b>	None Known
<b>Hazardous Decomposition or By-Products:</b>	None Known

## SECTION 11: TOXICOLOGY INFORMATION

**Primary Route(s) of Entry:** Dermal, Inhalation.

**Hazard to Humans:** None during normal use. The highest threat of inhalation exists during the excessive handling of dried, unfired glazed ware and/or during spray application.

Acute Toxicity: N/A	Carcinogenicity: N/A
Skin Corrosion/Irritation: N/A	Reproductive Toxicity: N/A
Serious Eye Damage/Irritation: N/A	STOT-Single Exposure: N/A
Respiratory/Skin Sensitization: N/A	STOT-Repeated Exposure: N/A
Germ Cell Mutagenicity: N/A	Aspiration Hazard: N/A

Additional information:

These mixtures contain silica, a know carcinogen. Inhalation is the route of entry into the body that can lead to the development of Silicosis.

These water-based, premixed products should be non-toxic during recommended use.

Some of the pigments may contain small amounts of various forms of metals (Sn, Mn, TiO<sub>2</sub>, Cu, Zr, V, Fe. Co, Cr, Ni, Cd ), some of which are considered carcinogenic. The metals in pigments may be in form of frits, spinel or formed from high temperature calcination that may have a different bioavailability than the metal itself. Silica and pigments in the glaze should be non-toxic during recommended use.

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## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	None
<b>Biodegradability:</b>	No
<b>Mobility in Soil:</b>	No
<b>Persistence:</b>	Yes
<b>Bioaccumulation:</b>	No
<b>Other Adverse Effects:</b>	None

---

## SECTION 13: DISPOSAL CONSIDERATIONS

Follow local, state and federal regulations.

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## SECTION 14: TRANSPORTATION INFORMATION

Product Identifier: Non-Hazardous Mixtures

UN Shipping Name: N/A

UN Number: None

Environmental Hazard: None

Packing Group: None

Transportation Hazard Class: N/A

Special Precautions: None

---

## SECTION 15: REGULATORY INFORMATION

**Federal, State and Local regulations not provided elsewhere in the SDS:**

### **National Regulations:**

United States:

- TSCA: all components of these products are on the US TSCA Inventory
- SARA Section 313 Toxic Chemicals: None
- IARC, OSHA and NTP: Silica (Quartz), Titanium Dioxide, Cobalt, Nickel and Chromium are listed on the carcinogen list.

### **State Regulations:**

California

- Proposition 65: Silica (Quartz), Titanium Dioxide, Cobalt, Nickel and Chromium are listed on the carcinogen

list.

**Chemical Safety Assessment:**

Conforms to ASTM D 4236 This material has been evaluated under the provisions of LHAMA (Labeling of Hazardous Art Material Act). This product is judged to be non-toxic and non- flammable under proposed use conditions. No special warning is required under the provisions of LHAMA or California Proposition 65 during use.

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**SECTION 16: ADDITIONAL INFORMATION**

Sax True Flow® Gloss Glazes do not contain and products and/or ingredients derived from nuts, peanuts, eggs, milk, or gluten. Sax True Flow® Gloss Glazes do not contain latex.

This information is furnished with out warranty, representation, inducement or license of any kind, except that it is accurate to the best of knowledge of COLORAMICS, LLC or obtained from sources believed to be accurate.

COLORAMICS, LLC does not assume any legal responsibility for use or reliance on same. Customers are encouraged to conduct their own tests before using any product. Read the product label.

Acronyms used in this SDS:

- CAS #: Chemical Abstracts Service Number
- TSCA: Toxic Substances Control Act
- SARA: Superfund Amendments and Reauthorization Act
- IARC: International Agency for Research on Cancer
- OSHA: Occupational Safety and Health Administration
- NTP: National Toxicology Program
- PEL: Permissible Exposure Limit
- TLV: Threshold Limit Values

<b>Prepared:</b>	July 17, 2014
<b>Supersedes:</b>	November 4, 2010

# SAFETY DATA SHEET (SDS)

MATERIAL NAME: **SAX TRUE FLOW HEAVY BODIED ACRYLIC**

LAST REVISION: **8/27/2019**

## SECTION 1 – IDENTIFICATION

### Material Name

SAX TRUE FLOW HEAVY BODIED ACRYLIC

### Product Number

Various

(All information the same for all colors and sizes.)

### Company Information

SAX / SCHOOL SPECIALTY

P.O. Box 1579

Appleton, WI 54912-1579

U.S.A

Phone: 888-388-3224

Fax: 888-388-6344

Website: [www.saxarts.com](http://www.saxarts.com); [www.schoolspecialty.com](http://www.schoolspecialty.com)

For Health Emergencies Call the Poison Control Center: 1-888-516-2502

Seek medical assistance for further treatment, observation and support, if necessary.

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

There are no GHS label elements.

**Primary Routes of Entry:** Inhalation, Ingestion, Eye, Skin

**Effects and Symptoms of Acute Exposure:** None Expected

**Effects and Symptoms of Chronic Exposure:** None Expected

**Carcinogen Listing:** NTP: NO IARC: NO OSHA: NO

See Section 3 for Components Affected

**Medical Conditions Usually Aggravated by Over Exposure to this Product:** None

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % Weight</u>	<u>NTP</u>	<u>IARC</u>
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NONE



## SECTION 4 – FIRST AID MEASURES

<b>Skin</b>	Wash skin with soap and water or use a product specifically formulated for water based acrylic removal. If irritation persists seek medical help.
<b>Eye</b>	Check for and remove any contact lenses. Flush eyes up to 15 minutes with water, holding eye lids open. If irritation persists seek medical help.
<b>Inhalation</b>	If person is showing adverse effects, remove person to fresh air. Seek medical help if symptoms occur.
<b>Ingestion</b>	Treat Symptomatically. Never give anything by mouth to an unconscious person. Seek medical help if symptoms occur. If swallowed, call your Poison Control Center at 1-800-222-1222.

Seek medical assistance for further treatment, observation and support, if necessary.

### Advice to Doctor:

This product carries the A.P. Seal, conforms to ASTM D4236, and is certified non-toxic by a toxicologist in association with the Art & Craft Materials Institute, Hanson, MA 02341 USA.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Flash Point (Method):</b>	N/A
<b>Autoignition Temperature:</b>	N/A
<b>Explosion Limits in Air (% by Volume):</b>	Not Explosive
<b>Extinguishing Media:</b>	No Special Media Required
<b>Fire Fighting Procedures:</b>	No Special Fire Fighting Procedures Required
<b>Unusual Fire &amp; Explosion Hazards:</b>	Not Combustible

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Steps to be Taken in Case a Material is Spilled

Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section 13.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with dry earth, sand or other non-combustible material.

**Small Spills:** Mop up or absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

### Environmental Precautions

Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

## SECTION 7 – HANDLING & STORAGE

### Precautions for Safe Handling

Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

Avoid contact with eyes. Avoid skin contact.

Observe good hygiene practices; wash hands after use.

### Storage Requirements

Store at room temperature; keep from freezing.

Recommended storage conditions are between 34° F and 122° F (1° C and 50° C).

Store in original tightly closed container.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection & Special Ventilation Requirements:** None needed under normal conditions of use

**Protective Gloves:** None needed under normal conditions of use

**Eye Protection:** None needed under normal conditions of use

**Other Protective Equipment:** None needed under normal conditions of use

**Engineering Controls:** None Required

### Hygienic Work Practices

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**Specific Vapor Density (AIR=1):** N/A

**Solubility in Water:** N/A

**Specific Gravity (H2O=1):** N/A

**Melting Point:** N/A

**Evaporation Rate:** Slower than Ether

**Reactivity in Water:** Non-Reactive

**Appearance & Odor:** Liquid acrylic paints in assorted colors. May have slight ammonia smell.

## SECTION 10 – STABILITY AND REACTIVITY

**Stability (Conditions to Avoid):** None

**Incompatibility (Materials to Avoid):** None

**Hazardous Decomposition Products:** None

**Hazardous Polymerization Products:** None

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute Effects Associated with the use of this material:** None Expected

The summated LD50 is 21400 mg/kg.

The summated LC50 is 41684 mg/cubic meter.

This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section 3)

## SECTION 12 – ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous.

No harmful effects known other than those associated with suspended inert solids in water.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**RCRA Hazard Class (40 CFR 261):** This product is not classified as hazardous waste.

### Waste Disposal Method

Dispose of in accordance with International, Federal, State and Local regulations.

## SECTION 14 – TRANSPORTATION INFORMATION

**U.S. DOT (49 CFR 172.101):** This product is not a hazardous material as classified by CFR 172.101.

## SECTION 15 – REGULATORY INFORMATION

### US Federal Regulations

Contents of this SDS comply with OSHA Hazard Communications Standard 29 CFR 1910.1200 EPA SARA TITLE III Chemical Listings: None

**Section 302.4 Extremely Hazardous Substances (40 CFR 355):** None

**Section 313 Toxic Chemicals (40 CFR 372):** None

### International Regulations

#### Canadian WHMIS:

This product is a controlled product under Canada's Workplace Hazardous Materials Information System. It contains the following toxic or highly toxic materials:

Ferric Oxide

Pigment Red 2 Dispersion

### Supplemental State Compliance Information

#### US, New Jersey Right-to-Know

This product contains the following chemical(s) listed under New Jersey's Right to Know Program:

Ammonia Hydroxide

Pigment Red 101

Pigment Red 2 Dispersion

#### US, Washington Children's Safe Products Act

This product contains the following chemical(s) requiring notification to the State of Washington under their Children's Safe Products Act:

None

**Under CPSC's consumer product regulations (16CFR1500.3 and 150014), this product has the following required acute and chronic hazard labeling:** None

## **SECTION 16 – OTHER INFORMATION**

All information the same for all colors and sizes.

This product does not contain egg, dairy, wheat, gluten, soy or peanut products, by-products or derivatives.

This product does not contain latex materials or animal derived ingredients.

1440719 1440709 1440686  
 1440720 1440710 1440687  
 1440731 1440711 1440688  
 1440732 1440712 1440689  
 1440733 1440713 1440690  
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 1440708

# SAFETY DATA SHEET (SDS)

MATERIAL NAME: **SAX VERSATEMP LIQUID TEMPERA**

LAST REVISION: **9/1/2015**

## SECTION 1 – IDENTIFICATION

**Material Name**

SAX VERSATEMP LIQUID TEMPERA

**Product Number** VARIOUS

(All information is the same for all colors, sizes and sets)

**Manufacturer Information**

SAX/SCHOOL SPECIALTY

PO BOX 1579

Appleton, Wisconsin 54912-1579

U.S.A.

Phone: 888-388-3224

Fax: 888-388-6344

www.saxarts.com

Emergency Phone Number: 1-800-257-8278

Poison Control Center: 1-888-516-2502

## SECTION 2 – HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

There are no GHS label elements.

PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, EYE, SKIN

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: NONE EXPECTED

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: NONE EXPECTED

CARCINOGEN LISTING: NTP: **NO** IARC: **NO** OSHA: **NO**

SEE SECTION 3 FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: NONE

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	PEL/TLV (MG/M#)	Max % Weight	NTP	IARC
NONE					

#### **SECTION 4 – FIRST AID MEASURES**

FIRST AID MEASURES: NONE REQUIRED

NO ACUTE HEALTH EFFECTS EXPECTED.

#### **SECTION 5 – FIRE FIGHTING MEASURES**

FLASH POINT (METHOD): N/A

AUTOIGNITION TEMPERATURE: N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED

FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

#### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED:

Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section 13.

#### **SECTION 7 – HANDLING & STORAGE**

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING:

Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

#### **SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: NONE REQUIRED

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): NONE REQUIRED

WORK / HYGIENE PRACTICES: NONE REQUIRED

ENGINEERING CONTROLS: NONE REQUIRED

#### **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: N/A

MELTING POINT: N/A

VAPOR PRESSURE: N/A

SPECIFIC VAPOR DENSITY (AIR=1): N/A

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

## **SECTION 10 – STABILITY AND REACTIVITY**

HAZARDOUS POLYMERIZATION PRODUCTS: NONE

STABILITY: STABLE CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: NONE EXPECTED

The summated LD50 is 21400 mg/kg.

The summated LC50 is 41684 mg/cubic meter.

This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section 3)

## **SECTION 12 – ECOLOGICAL INFORMATION**

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

RCRA HAZARD CLASS (40 CFR 261):

THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## **SECTION 14 – TRANSPORTATION INFORMATION**

U.S. DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

## **SECTION 15 – REGULATORY INFORMATION**

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200

EPA SARA TITLE III CHEMICAL LISTINGS

NONE

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372): NONE

### **INTERNATIONAL REGULATIONS**

CANADIAN WHMIS: THIS PRODUCT COMPLIES WITH CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM.

IT CONTAINS NO TOXIC OR HIGHLY TOXIC MATERIALS

**SUPPLEMENTAL STATE COMPLIANCE INFORMATION:**

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

AMMONIUM HYDROXIDE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

Under CPSC's consumer product regulations (16CFR1500.3 and 150014), this product has the following required acute and chronic hazard labeling:

NONE

**SECTION 16 – OTHER INFORMATION**

ALL INFORMATION THE SAME FOR ALL COLORS AND SIZES.

THIS PRODUCT DOES NOT CONTAIN EGG, DAIRY, WHEAT, GLUTEN, SOY OR PEANUT PRODUCTS, BY-PRODUCTS OR DERIVATIVES.

THIS PRODUCT DOES NOT CONTAIN LATEX MATERIALS OR ANIMAL DERIVED INGREDIENTS.



**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SC JOHNSON® PASTE WAX**

Version 1.0

Print Date 03/04/2015

Revision Date 02/18/2015

SDS Number 350000003598

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

**Product name** : SC JOHNSON® PASTE WAX

**Recommended use** : Furniture Polish/Cleaner

**Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

**Telephone** : +18005585252

**Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

**2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**Globally Harmonized System (GHS) Classification**

Hazard classification	Hazard category	Hazards identification
Carcinogenicity	Category 2	Suspected of causing cancer.
Specific target organ toxicity - repeated exposure	Category 1	Causes damage to organs through prolonged or repeated exposure.

**Labelling**

**Hazard symbols**

Health hazard

**Signal word**

Danger

**Hazard statements**

Suspected of causing cancer.  
Causes damage to organs through prolonged or repeated exposure.

**Precautionary statements**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Get medical advice/ attention if you feel unwell.  
IF exposed or concerned: Get medical advice/ attention.

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Revision Date 02/18/2015

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Store locked up.  
Dispose of contents/ container to an approved incineration plant.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
Do not breathe spray.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
**Other hazards** : None identified

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Concentration
Stoddard solvent	8052-41-3	60.00 - 100.00
Paraffin waxes and Hydrocarbon waxes	8002-74-2	10.00 - 30.00
Ethyl Benzene	100-41-4	0.10 - 1.00
NAPHTHALENE	91-20-3	0.10 - 1.00
CUMENE	98-82-8	0.10 - 1.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

**4. FIRST AID MEASURES**

**Eye contact** : No special requirements  
**Skin contact** : No special requirements  
**Inhalation** : No special requirements.  
**Ingestion** : No special requirements

**5. FIREFIGHTING MEASURES**

**Suitable extinguishing** : Use water spray, alcohol-resistant foam, dry chemical or

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**media** carbon dioxide.

**Further information** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Obtain special instructions before use.  
Wear personal protective equipment.  
Wash thoroughly after handling.

**Environmental precautions** : Outside of normal use, avoid release to the environment.

**Methods and materials for containment and cleaning up** : Sweep up and shovel into suitable containers for disposal.  
Clean residue from spill site.

---

**7. HANDLING AND STORAGE**

**Handling**

**Precautions for safe handling** : Avoid contact with skin, eyes and clothing.  
For personal protection see section 8.  
Use only as directed.  
**KEEP OUT OF REACH OF CHILDREN AND PETS.**  
Do not handle until all safety precautions have been read and understood.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.

**Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Component	CAS No.	mg/m <sup>3</sup>	ppm	OSHA PEL	ACGIH TLV
Stoddard solvent	8052-41-3	2,900 mg/m <sup>3</sup>	500 ppm	-	OSHA TWA
Stoddard solvent	8052-41-3	-	100 ppm	-	ACGIH TWA
Paraffin waxes and Hydrocarbon waxes	8002-74-2	2 mg/m <sup>3</sup>	-	-	ACGIH TWA
Ethyl Benzene	100-41-4	-	20 ppm	-	ACGIH TWA
Ethyl Benzene	100-41-4	435 mg/m <sup>3</sup>	100 ppm	-	OSHA TWA
NAPHTHALENE	91-20-3	50 mg/m <sup>3</sup>	10 ppm	-	OSHA TWA
NAPHTHALENE	91-20-3	-	10 ppm	-	ACGIH TWA
CUMENE	98-82-8	245 mg/m <sup>3</sup>	50 ppm	-	OSHA TWA
CUMENE	98-82-8	-	50 ppm	-	ACGIH TWA

**Personal protective equipment**

**Respiratory protection** : No special requirements.

**Hand protection** : No special requirements.

**Eye protection** : No special requirements.

**Skin and body protection** : No special requirements.

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Odour Threshold</b>	: No data available
<b>pH</b>	: Not applicable
<b>Melting point/freezing point</b>	: Not applicable
<b>Initial boiling point and boiling range</b>	: No data available
<b>Flash point</b>	: 31.1 °C 87.98 °F Method: Tag Closed Cup (TCC)
<b>Evaporation rate</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Upper/lower flammability or explosive limits</b>	: No data available
<b>Vapour pressure</b>	: No data available
<b>Vapour density</b>	: No data available
<b>Relative density</b>	: 6.52 g/cm <sup>3</sup> at 25 °C
<b>Solubility(ies)</b>	: negligible
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Auto-ignition temperature</b>	: No data available

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- Decomposition temperature** : No data available
  
- Viscosity, dynamic** : Not applicable
  
- Viscosity, kinematic** : Not applicable
  
- Oxidizing properties** : No data available
  
- Volatile Organic Compounds** : 80 % - additional exemptions may apply  
**Total VOC (wt. %)\*** : \*as defined by US Federal and State Consumer Product Regulations
  
- Other information** : None identified

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**10. STABILITY AND REACTIVITY**

- Possibility of hazardous reactions** : Stable under recommended storage conditions.
  
- Conditions to avoid** : Direct sources of heat.
  
- Incompatible materials** : None known.
  
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

---

**11. TOXICOLOGICAL INFORMATION**

- Emergency Overview** : Danger
  
- Acute oral toxicity** : LD50  
estimated  
> 5,000 mg/kg

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**Acute inhalation toxicity** : No data available

**Acute dermal toxicity** : No data available

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	Category 2	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	Category 1	-
Aspiration hazard	No classification proposed	-

**Target Organs** : Central nervous system

**Aggravated Medical Condition** : None known.

---

**12. ECOLOGICAL INFORMATION**

**Product** : The product itself has not been tested.

**Toxicity**

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

**Toxicity to fish**

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Components	End point	Species	Value	Exposure time
Stoddard solvent	No data available			
Paraffin waxes and Hydrocarbon waxes	LC50	Fish	> 100 mg/l	
Ethyl Benzene	semi-static test LC50	Oncorhynchus mykiss (rainbow trout)	4.2 mg/l	96 h
NAPHTHALENE	static test LC50	Oncorhynchus mykiss (rainbow trout)	0.91 - 2.82 mg/l	96 h
CUMENE	LC50	Oncorhynchus mykiss (rainbow trout)	4.2 - 5.5 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Stoddard solvent	No data available			
Paraffin waxes and Hydrocarbon waxes	EC50	Daphnid	> 10,000 mg/l	
	No data available			
	NOEC	Daphnia	10 mg/l	
Ethyl Benzene	EC50	Daphnia magna (Water flea)	1.8 mg/l	48 h



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	NOEC	Ceriodaphnia dubia	1 mg/l	7 d
NAPHTHALENE	static test EC50	Daphnia magna (Water flea)	1.09 - 3.4 mg/l	48 h
CUMENE				

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Stoddard solvent	No data available			
Paraffin waxes and Hydrocarbon waxes	NOEC No data available	Algae	> 100 mg/l	
Ethyl Benzene	Static EC50	Pseudokirchneriella subcapitata	2.6 - 11.3 mg/l	72 h
NAPHTHALENE	No data available			
CUMENE	No data available			

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Stoddard solvent	No data available		
Paraffin waxes and Hydrocarbon waxes	No data available		Not readily biodegradable.
Ethyl Benzene	70 - 80 %	28 d	Readily biodegradable
NAPHTHALENE	No data available		
CUMENE	No data available		

**Bioaccumulative potential**

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according to Hazard Communication Standard; 29 CFR 1910.1200

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Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Stoddard solvent	No data available	No data available
Paraffin waxes and Hydrocarbon waxes	No data available	No data available
Ethyl Benzene	1 Measured	3.6
NAPHTHALENE	No data available	No data available
CUMENE	No data available	No data available

**Mobility**

Component	End point	Value
Stoddard solvent	No data available	
Paraffin waxes and Hydrocarbon waxes	No data available	
Ethyl Benzene	Koc	1331 estimated
NAPHTHALENE	No data available	
CUMENE	Koc	884

**PBT and vPvB assessment**

Component	Results
Paraffin waxes and Hydrocarbon waxes	Not fulfilling PBT and vPvB criteria

**Other adverse effects** : None known.**13. DISPOSAL CONSIDERATIONS**

Consumer may discard empty container in trash, or recycle where facilities exist.

**14. TRANSPORT INFORMATION**

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

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	<b>Land transport</b>	<b>Sea transport</b>	<b>Air transport</b>
<b>UN number</b>	1325	1325	1325
<b>UN proper shipping name</b>	UN 1325 Flammable Solid, Organic, N.O.S., 4.1, II	UN 1325 Flammable Solid, Organic, N.O.S., 4.1, II	UN 1325 Flammable Solid, Organic, N.O.S., 4.1, II
<b>Transport hazard class(es)</b>	4.1	4.1	4.1
<b>Packing group</b>	II	II	II
<b>Environmental hazards</b>	-	-	-
<b>Special precautions for user</b>	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.

**15. REGULATORY INFORMATION**

**Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Notification status** : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

**California Prop. 65** : This product is not subject to the reporting requirements under California's Proposition 65.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SC JOHNSON® PASTE WAX**

Version 1.0

Print Date 03/04/2015

Revision Date 02/18/2015

SDS Number 350000003598

**16. OTHER INFORMATION**

**HMIS Ratings**

Health	1
Flammability	3
Reactivity	0

**NFPA Ratings**

Health	1
Fire	3
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

**Further information**

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SC JOHNSON® PASTE WAX**

Version 1.0

Print Date 03/04/2015

Revision Date 02/18/2015

SDS Number 350000003598

# SAFETY DATA SHEET

Issuing Date 23-Aug-2017

Revision Date 29-Jan-2020

Revision Number 1.1

NGHS / English



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## 1. IDENTIFICATION

### Product identifier

**Product Name** School Health labeled alcohol-free hand sanitizer, unscented

### Other means of identification

**Product Code(s)** 1413813

### Recommended use of the chemical and restrictions on use

**Recommended Use** Hand sanitizer

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

**Supplier Identification** safeHands Solutions, LLC

**Address**  
35 Post Office Park  
Suite 3505  
Wilbraham  
MA  
01095  
US

**Telephone**  
Phone:8667489990  
Fax:4135131330

**E-mail** purchasing.ne@safehands.com

### Emergency telephone number

**Company Emergency Phone Number** 8667489990

## 2. HAZARDS IDENTIFICATION

### Classification

Not classified.



The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Colorless

**Physical state** Foam Liquid

**Odor** Odorless

**GHS Label elements, including precautionary statements**

**Hazard statements**

Not classified.

**Other information**

Harmful to aquatic life.

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS-No	Percent	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Benzalkonium chloride	63449-41-2	0.26	-	-

**4. FIRST AID MEASURES**

**First aid measures**

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.



Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical** No information available.

**Hazardous Combustion Products** Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with eyes.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters





**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

**Physical state** Foam; Liquid  
**Appearance** Colorless  
**Odor** Odorless  
**Color** No information available  
**Odor Threshold** Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	7	
Melting / freezing point	No data available	None known
Boiling point / boiling range	100 °C / 212 °F	
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1	
Water Solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	1 to 98	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

**Other Information**

**Explosive properties** No information available  
**Oxidizing properties** No information available  
**Softening Point** No information available  
**Molecular Weight** No information available



VOC Content (%) No information available  
 Liquid Density No information available  
 Bulk Density No information available  
 Particle Size No information available  
 Particle Size Distribution No information available

**10. STABILITY AND REACTIVITY**

**Reactivity** No information available.  
**Chemical stability** Stable under normal conditions.  
**Possibility of Hazardous Reactions** None under normal processing.  
**Hazardous Polymerization** Hazardous polymerization does not occur.  
**Conditions to avoid** None known based on information supplied.  
**Incompatible materials** None known based on information supplied.  
**Hazardous Decomposition Products** Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.  
**Eye contact** Specific test data for the substance or mixture is not available.  
**Skin contact** Specific test data for the substance or mixture is not available.  
**Ingestion** Specific test data for the substance or mixture is not available.

Information on toxicological effects

**Symptoms** No information available.

Numerical measures of toxicity

**Acute Toxicity**

**Unknown acute toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzalkonium chloride	-	= 1420 mg/kg ( Rat )	-



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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Harmful to aquatic life.
<b>Persistence and Degradability</b>	No information available.
<b>Bioaccumulation</b>	There is no data for this product.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

California Hazardous Waste Codes 311

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	NOT REGULATED
<b>Proper Shipping Name</b>	NON-REGULATED
<b>Hazard Class</b>	N/A
<b><u>TDG</u></b>	Not regulated



<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
<u>IMDG/IMO</u>	Not regulated
Hazard Class	N/A
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

#### International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No



Reactive Hazard

No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances above threshold limits that are regulated by state right-to-know.

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 1	Flammability 0	Physical hazards 0	Personal Protection X

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 23-Aug-2017

**Revision Date** 29-Jan-2020

**Revision Note** School Health label

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**



**Safety Data Sheet**

Regulation(EC) No.1907/2006, 1272/2008

Printing date 03.04.2013

SCHOOL SMART GLUE STICK - ALL PURPOSE Revision: 01.04.2013

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **Product identifier** SCHOOL SMART GLUE STICK - ALL PURPOSE  
(SCHOOL SPECIALTY)
- **Trade name:** PVP glue stick
- **Registration number:** Data not available.
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** Adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
ZHEJIANG BAIYI STATIONERY CO.,LTD.  
NO.2 AREA, YANGSHAN INDUSTRIAL ZONE, XINJIAN, JINYUN, LISHUI CITY, ZHEJIANG PROVINCE, CHINA  
Tel: 86-578-3700222  
Fax: 86-578-3700288
- **Only Representative/ other EU contact point:**  
Do not plan to export to European Union. European Union Member State contact not available.
- **Further information obtainable from:** ZHEJIANG BAIYI STATIONERY CO.,LTD.
- **Emergency telephone number:**  
Lily  
Tel: 86-578-3700222
- **Email:** Lily@baiyiglue.com
- **Reference Number:** SHHG1303010053SD; SHAHG1304734901

**SECTION 2: Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable.
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labelling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Other hazards** Not applicable.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 56-81-5 EINECS: 200-289-5	glycerol	substance with a Community workplace exposure limit	10,0%
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· **Non-dangerous components:**

CAS: 9003-39-8	Polyvinylpyrrolidone (PVP)		22,0%
CAS: 822-16-2 EINECS: 212-490-5	sodium stearate		8,0%

(Contd. on page 2)

# Safety Data Sheet

## Regulation(EC) No.1907/2006, 1272/2008

Printing date 03.04.2013

Revision: 01.04.2013

Trade name: PVP glue stick

(Contd. of page 1)

CAS: 7732-18-5	Water
EINECS: 231-791-2	

60,0%

### SECTION 4: First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth with water.  
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**  
Wear fully protective suit.  
Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation.  
Avoid formation of dust.  
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **Handling**
- **Precautions for safe handling**  
Store in cool, dry place in tightly closed receptacles.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of dust.
- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.

(Contd. on page 3)

# Safety Data Sheet

## Regulation(EC) No.1907/2006, 1272/2008

Printing date 03.04.2013

Revision: 01.04.2013

Trade name: PVP glue stick

(Contd. of page 2)

- **Storage:**
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

#### 56-81-5 glycerol

MAK (Germany)	50E mg/m <sup>3</sup> vgl.Abschn.Xc
WEL (Great Britain)	10 mg/m <sup>3</sup>
VME (France)	10 mg/m <sup>3</sup>

- **DNELs:** Data not available.
- **PNECs:** Data not available.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves:**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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# Safety Data Sheet

## Regulation(EC) No.1907/2006, 1272/2008

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Trade name: PVP glue stick

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Solid
Colour:	White
Odour:	Odourless
Odour threshold:	Data not available.

· pH-value: Data not available.

· Change in condition:

Melting point/Melting range:	Data not available.
Freezing point:	Data not available.
Boiling point/Boiling range:	Data not available.

· Flash point: Data not available.

· Flammability (solid, gaseous): Data not available.

· Auto-ignition temperature: Data not available.

· Decomposition temperature: Data not available.

· Self-igniting: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits

Lower:	Data not available.
Upper:	Data not available.

· Oxidizing properties: Data not available.

· Vapour pressure: Data not available.

· Density: Data not available.

· Relative density: Data not available.

· Vapour density: Data not available.

· Evaporation rate: Data not available.

· Solubility in / Miscibility with water: Data not available.

· Partition coefficient (n-octanol/water): Data not available.

· Viscosity:

Dynamic:	Data not available.
Kinematic:	Data not available.

· Other information: Data not available.

### SECTION 10: Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.

(Contd. on page 5)

# Safety Data Sheet

## Regulation(EC) No.1907/2006, 1272/2008

Printing date 03.04.2013

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Trade name: PVP glue stick

(Contd. of page 4)

- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

#### 9003-39-8 Polyvinylpyrrolidone (PVP)

Oral	LD50	>40000 mg/kg (mouse)
		100000 mg/kg (rat)

#### 56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

- **Primary irritant effect**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Toxicokinetics, metabolism and distribution:** No further relevant information available.
- **Acute effects (acute toxicity, irritation and corrosivity):** No further relevant information available.
- **Repeated dose toxicity:** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**  
No further relevant information available.

### SECTION 12: Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

EU

(Contd. on page 6)

# Safety Data Sheet

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### SECTION 14: Transport information

· UN-Number	
· ADR, IMDG, IATA	Not applicable.
· UN proper shipping name	
· ADR, IMDG, IATA	Not applicable.
· Transport hazard class(es)	
· ADR, IMDG, IATA	
· Class	Not applicable.
· Packing group	
· ADR, IMDG, IATA	Not applicable.
· Environmental hazards	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

### SECTION 15: Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· MAK(German Maximum Workplace Concentration)

None of the ingredients is listed.

· National regulations:

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Other regulations, limitations and prohibitive regulations

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (18/6/2012)

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction (19/9/2012)

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorisation List (14/2/2012)

None of the ingredients is listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

\*\*\*\*\*  
 The contents and format of this SDS are in accordance with REGULATION (EC) No 1272/2008, REGULATION (EC) No 1907/2006, Regulation (EU) No 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

#### DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

(Contd. on page 7)

**Safety Data Sheet**  
**Regulation(EC) No.1907/2006, 1272/2008**

Printing date 03.04.2013

Revision: 01.04.2013

**Trade name: PVP glue stick**

(Contd. of page 6)

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**Abbreviations and acronyms:***ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent*

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*End of document*

EU

Ningbo YT Chemical Technology Development Co., Ltd.

Liangnong (Hudong) Industrial area, Yuyao, Ningbo, Zhejiang, China 315430

Tel: 86 574 6251 7715 86 574 6251 7718 Fax: 86 574 6251 7720

## **SAFETY DATA SHEET**

White Glue  
SCHOOL SMART SCHOOL GLUE  
(SCHOOL SPECIALTY)

### **1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

Product Name: White Glue

Application: Bonds wood, paper, cardboard etc.

Restrictions on use: Not for children under 3 years

Emergency Call: 86.574.62517717

Supplier: Ningbo YT Chemical Technology Development Co., Ltd.

Physical Add: Liangnong (HuDong) Industrial area, Yuyao, Zhejiang, China 315430

Telephone Nr. 86.574.62517717

Telefax Nr. 86.574.62517720

Contact Person: Mr. SUN XIYU

### **2. HAZARDS IDENTIFICATION**

Hazard Class: Not belong to dangerous goods

Pictograms: None

Signal word: None

Hazard description: No obvious toxic products

Routes of entry: Skin contact .

Symptoms of infection: No obvious symptoms of infection.

Acute health effects: No information found

Chronic health hazard effects: No information found

Flame hazard: Not flammable items

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient Name	CAS NO.	Content (approx.)	Molecular
Polyvinyl Alcohol	9002-89-5	8%	(C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub>
Polyvinyl Acetate	9003-20-7	26%	(CH <sub>3</sub> COOCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub>
Water	7732-18-5	65%	H <sub>2</sub> O
Glycerin	56-81-5	1%	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>

### 4. FIRST AID MEASURES

General: Summary of first aid is as follows:

Inhalation: Call physician immediately

Ingestion: Immediately contact medical personnel and supervisor.

Skin: Wash affected area with soap and water.

Eyes: Immediately flush eyes with large amounts of water. Call a physician.

### 5. FIRE FIGHTING MEASURES

Suitable Extinguish Media: Carbon dioxide, Dry chemical, Foam

Unsuitable Extinguishing Media: N/A

Special Exposure Hazards in Fire: No unusual fire or explosion hazards are anticipated.

Required Special Protective Equipment for Fire Fighters: Not necessary

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Bulk releases not anticipated under normal conditions

Respiratory Protection for Bulk Release: N/A

Chemical Resistant Gloves for Bulk Release: Yes

Eye Protection Required for Bulk Release: Yes

Environmental Precautions: Since regulations vary, consult applicable regulations or authorities before disposal.

Methods for Cleaning: Wash with water and soap

Emergency treatment : No obvious harm to the environment and personal

### 7. HANDLING AND STORAGE

Handling: No special precautions if it kept in container provided.

Storage: Store in room temperature

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Take Measures to Prevent: Do not ingest

Exposure Control Limits and Source: None required in normal use

Respiratory Protection: None required in normal use

Hand Protection: None required in normal use.

Skin Protection: Avoid prolonged or repeated skin contact

Eye Protection: Avoid eye contact

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Liquid, white

Odour: None

PH Value: 5.0~6.0

Solubility in Water: Dispersible

Boiling Point / Boiling Point Range: 100°C

Melting Point / Melting Point Range: 0°C

Flash Point (°C): N/A

Flammability (gas/solid): not flammable

Auto flammability: not autoflammable

Explosive Properties: not explosive

Oxidizing Properties: no oxidation

Vapor Pressure, mm Hg @ 20 C 17

Vapour Density (AIR=1): < 1

Evaporation Rate (Butyl Acetate=1): < 1

Specific Gravity (H2O=1): 0.95

## **10. STABILITY AND REACTIVITY DATA**

Stability: Normally stable in air temperature.

Conditions to Avoid: Not available

Materials to Avoid: Not available

Decomposition Products: Carbon Monoxide and Carbo Dioxide, Hydrocarbons

## **11. TOXICOLOGICAL INFORMATION**

Skin: May cause irritation on prolonged or repeated contact.

Eyes: May cause irritation on prolonged or repeated contact.

Ingestion: Not expected to be harmful under normal conditions of use.

Inhalation: Not expected to be harmful under normal conditions of use.

However, if allowed to become airborne, may cause irritation of nose, throat and lungs.

## **12. ECOLOGICAL INFORMATION**

Environment Effect : No obvious toxic.

PBT : Not applicable

biodegradability : Not applicable

Environment migration : Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Recover and reclaim or recycle, if practical. Dispose of in accordance with Local Authority requirements.

Contact specialist disposal companies.

## **14. TRANSPORT INFORMATION**

UN Number : /

Packing mark : /

Packing Group : /

Packing Method : Using compatibility material container storage, in accordance with the normal product the packing and shipping.

Attention: Gentle with, prevent collision drag and dump.

The substance is not subject to IMO IMDG.

## **15. REGULATORY INFORMATION**

The product does not contain chemicals known to deplete the ozone layers.

Safety Phrases: S24 Avoid contact with skin.

S25 Avoid contact with eyes.



## 16. OTHER INFORMATION

Do not handle until the manufacturer's safety precautions have been read and understood.

Regulations require that all employees be trained on MSDS for all products with which they come in contact.

The information given in this sheet is a description of the safety requirements related to our product.

It does not guarantee the properties of this products manufactured by other suppliers.

The user is responsible for taking the necessary measures to meet the requirements of laws and regulations in force.

**Safety Data Sheet Status: Approved.**

**Date: 2017.03.31**

宁波雅特化工科技发展有限公司  
Signature: Mr. SUN YUYU  
NINGBO YAT CHEMICAL TECHNOLOGY DEVELOPMENT CO., LTD.  
Health and Safe Officer

孙习羽

# Material Safety Data Sheet

**SCHOOL SMART TEMPERA MARKERS**

Identity (Trade Name As Used On Label)

**CHROMA INC**  
 Manufacturer  
**205 BUCKY DRIVE**  
 Address  
**LITITZ PA 17543**  
  
**(717)626-8866**  
 Phone Number (For Information)  
**(717)626-8866**  
 Emergency Phone Number                      Telex\*

MSDS Number\*  
 CAS Number\*                      **01/11**  
 Date Prepared  
 Prepared By\*

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION**

COMPONENTS -- Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
PRODUCT IS WATER BASED, NON-TOXIC, NON HAZARDOUS				
TEMPERA COLOR IN LIQUID FORM. CERTIFIED NON-TOXIC				
BY (ART & CREATIVE MATERIALS INSTITUTE).				
1. WATER				
2. VARIOUS COLORED PIGMENTS				
3. CALCIUM CARBONATE				
4. ACRYLIC THICKENERS				
5. PRESERVATIVE - NON HAZARDOUS AT LEVEL USED.				
*ALL INFORMATION THE SAME FOR ALL SIZES & COLORS				
Non-Hazardous Ingredients				
TOTAL	100			

**SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS**

Bolling Point <b>215-275°F</b>	Specific Gravity (H <sub>2</sub> O = 1)	NOT KNOWN
Vapor Pressure (mm Hg and Temperature) <b>NOT KNOWN</b>	Melting Point	NOT KNOWN
Vapor Density (Air = 1) <b>LIGHTER THAN AIR</b>	Evaporation Rate (                      = 1)	<b>SLOWER THAN ETHER</b>
Solubility in Water <b>TOTALLY SOLUBLE</b>	Water Reactive	NOT KNOWN
Appearance and Odor <b>LIQUID TEMPERA IN ASSORTED COLORS. MAY BE SLIGHT AMMONIA SMELL.</b>		

**SECTION 3 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point and Method Used <b>N/A</b>	Auto-Ignition Temperature <b>N/A</b>	Flammability Limits in Air % by Volume <b>N/A</b>	LEL <b>UNKNOWN</b>	UEL <b>UNKNOWN</b>
Extinguisher Media <b>N/A</b>				
Special Fire Fighting Procedures <b>N/A</b>				
Unusual Fire and Explosion Hazards <b>N/A</b>				

\*Optional

**SECTION 4 - REACTIVITY HAZARD DATA**

PAGE 2 - SCHOOL SMART TEMPERA MARKERS

<b>STABILITY</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid N/A
Incompatibility (Materials to Avoid) NONE	
Hazardous Decomposition Products NONE	
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid N/A

**SECTION 5 - HEALTH HAZARD DATA**

<b>PRIMARY ROUTES OF ENTRY</b> <input type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Not Hazardous	<b>CARCINOGEN LISTED IN</b> <input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> Not Listed
<b>HEALTH HAZARDS</b> Acute Chronic	NONE NONE		
Signs and Symptoms of Exposure NONE			
Medical Conditions Generally Aggravated by Exposure NONE			
<b>EMERGENCY FIRST AID PROCEDURES</b> - Seek medical assistance for further treatment, observation and support if necessary.			
Eye Contact NONE			
Skin Contact NONE			
Inhalation NONE			
Ingestion NONE			

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

<b>Respiratory Protection (Specify Type)</b>	NONE NEEDED UNDER NORMAL CONDITIONS OF USE		
<b>Protective Gloves</b>	NOT REQUIRED	<b>Eye Protection</b>	NOT REQUIRED
<b>VENTILATION TO BE USED</b>	<input type="checkbox"/> Local Exhaust N/A <input type="checkbox"/> Other (specify) N/A	<input type="checkbox"/> Mechanical (general) N/A	<input type="checkbox"/> Special N/A
<b>Other Protective Clothing and Equipment</b>	NOT REQUIRED		
<b>Hygienic Work Practices</b>	AS WITH ANY WATER BASED PRODUCT		

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES**

<b>Steps to be Taken if Material is Spilled Or Released</b>	DIKE AND CONTAIN SPILL WITH INERT MATERIALS ( SAND, SAWDUST, ETC.) AND TRANSFER TO CONTAINERS FOR DISPOSAL.
<b>Waste Disposal Methods</b>	NORMAL DISPOSAL
<b>Precautions to be Taken in Handling and Storage</b>	NO PARTICULAR PRECAUTIONS
<b>Other Precautions and/or Special Hazards</b>	NONE

NFPA Rating: Health ___ Flammability ___ Reactivity ___ Special ___	HMIS Rating: Health ___ Flammability ___ Reactivity ___ Personal Protection ___
---	---

- Optional

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Reorder No. 2217-2

# SAFETY DATA SHEET

5/7/2015

SCHOOL SMART TEMPERA PAINT (ALL COLORS)  
MATERIAL NAME: RICH ART CLEAN COLORS WASHABLE PAINT

## SECTION I - IDENTIFICATION

### Material Name

RICH ART CLEAN COLORS WASHABLE PAINT

### Product Number

CLNC

### Manufacturer Information

Rich Art Color Co.  
202 Pegasus Avenue  
P.O. Box 198  
Northvale, New Jersey 07647  
Phone: 201-767-0009  
Fax: 1-201-767-0567  
Email: mjennings@richartcolor.com

Emergency Phone Number: 201-767-0009

Poison Control Center: 1-888-516-2502

## SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

There are no GHS label elements.

PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, EYE, SKIN

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: NONE EXPECTED

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: NONE EXPECTED

CARCINOGEN LISTING: NTP: **NO** IARC: **NO** OSHA: **NO**

SEE SECTION III FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: NONE

## SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % Weight</u>	<u>NTP</u>	<u>IARC</u>
None					

## SECTION IV - FIRST AID MEASURES

FIRST AID MEASURES: NONE REQUIRED. NO ACUTE HEALTH EFFECTS EXPECTED.

## SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A  
EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE  
EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED  
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED  
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE  
AUTOIGNITION TEMPERATURE: N/A

## SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section XIII

## SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: NONE REQUIRED  
OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): NONE REQUIRED  
WORK/HYGIENE PRACTICES: NONE REQUIRED  
ENGINEERING CONTROLS: NONE REQUIRED

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A  
VAPOR PRESSURE: N/A  
SPECIFIC VAPOR DENSITY (AIR=1): N/A  
SOLUBILITY IN WATER: N/A  
MELTING POINT: N/A  
SPECIFIC GRAVITY: N/A  
REACTIVITY IN WATER: NON-REACTIVE

## SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: NONE  
STABILITY: STABLE CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY (MATERIALS TO AVOID): NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

## SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: NONE EXPECTED  
The summated LD50 is 23599 mg/kg.  
The summated LC50 is 48979 mg/cubic meter.  
This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section III)

## SECTION XII - ECOLOGICAL INFORMATION

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

## SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.  
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION XIV - TRANSPORTATION INFORMATION

U.S. DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

## SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200  
EPA SARA TITLE III CHEMICAL LISTINGS  
NONE

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):  
NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372):  
IODOPROPYNYL BUTYL CARBAMATE  
PHENOL

### INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

DIATOMACEOUS EARTH  
DISODIUM CARBONATE  
PHENOL  
POTASSIUM HYDROXIDE  
PROPYLENE GLYCOL  
SODIUM HYDROXIDE  
TARTRAZINE  
TETRASODIUM PYROPHOSPHATE

### SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

BENZENEMETHANAMINIUM, N-ETHYL-N-[4-[[4-  
DIATOMACEOUS EARTH  
PHENOL  
PIGMENT WHITE 6  
POTASSIUM HYDROXIDE  
SODIUM HYDROXIDE  
TETRASODIUM PYROPHOSPHATE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

PHENOL

COMPANY: Rich Art Color Co.  
PRODUCT: CLNC  
BRAND NAME: RICH ART CLEAN COLORS WASHABLE PAINT

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5/7/2015

Under CPSC's consumer product regulations (16CFR1500.3 and 150014), this product has the following required acute and chronic hazard labeling:

NONE

## **SECTION XVI - OTHER INFORMATION**

LAST REVISION DATE: 05/07/2015

**Prepared by Duke OEM Toxicology**

## COLOR INFORMATION

THIS SDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS

<b>Product Color</b>	<b>SKU</b>	<b>Hazardous Ingredient</b>
C14 WHITE		(NONE)
C24 BLACK		(NONE)
C31 YELLOW		(NONE)
C42 ORANGE		(NONE)
C44 PEACH		(NONE)
C52 RED		(NONE)
C61 TURQUOISE		(NONE)
C62 BLUE		(NONE)
C72 GREEN		(NONE)
C81 MAGENTA		(NONE)
C82 PINK		(NONE)
C88 PURPLE		(NONE)
C91 BROWN		(NONE)
CON104-01 RED		(NONE)
CON104-02 YELLOW		(NONE)
CON104-03 BLUE		(NONE)
CON104-04 GREEN		(NONE)
CON104-05 PURPLE		(NONE)
CON104-06 ORANGE		(NONE)
CON104-07 WHITE		(NONE)
CON104-08 BLACK		(NONE)



## BRAND NAMES

THIS SDS APPLIES TO THE FOLLOWING BRAND NAMES

<u>Brand Name</u>	<u>SKU</u>
RICH ART CLEAN COLORS WASHABLE PAINT	
WASHABLE PAINT FOR ARTS AND CRAFTS	
CHILDCRAFT WASHABLE PAINTS	
FUN PAINT	
KID CONCOCTIONS WASHABLE PAINT	
ALEX WASHABLE POSTER PAINT	
MULTICULTURAL CLEAN COLORS	
WASHABLE POSTER PAINT	
CRI 2000. L.P. MESSAGESTOR WASHABLE TEMPERA PAINT	
MESSAGE STORE	
KID CONCOCTIONS (DARICE INC.)	
OFFICE DEPOT SCHOLASTIC WASHABLE PAINT	
SCHOOL SMART WASHABLE TEMPERA PAINT (SCHOOL SPECIALTY)	
MICHAELS ARTMINDS WASHABLE TEMPERA PAINT (MICHAELS)	

# MATERIAL SAFETY DATA SHEET

## SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: SCOL'S FLOORSHINE  
PRODUCT I.D. NUMBER (PIN): N.A.

PRODUCT NUMBER: 00207FR

WHMIS CLASS: B3; D2B

H.M.I.S.

PRODUCT USE: Gel floor cleaner/polisher

DOT HAZARD CLASS: Non-Regulated (< 119 gallons)

	HEALTH	HAZARD RATING
1		
2	FIRE	4 = Extreme 3 = High
0	REACTIVITY	2 = Moderate 1 = Slight 0 = Insignificant
B	MAXIMUM PERSONAL PROTECTION	

COMPANY:

DOT SHIPPING NAME:  
Review if shipped in package over 119 gallons

Essential Industries, Inc.  
P.O. Box 12  
Merton, WI 53056-0012

EMERGENCY PHONE: 800-843-6174

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. = Not Applicable N.E. = Not Established N.D. = Not Determined

## SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
d-Limonene	5989-27-5	10-30	N.E.	N.E.	>5g/kg	N.D.
Polyethylene emulsion	N.A.	10-30	N.E.	N.E.	N.D.	N.D.
Nonionic surfactants	N.A.	1-5	N.E.	N.E.	N.D.	N.D.
n-Propoxypropanol	1569-01-3	1-5	N.D.	N.D.	2000 mg/kg	N.E.

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

## SECTION 3 - PHYSICAL DATA

Color: Milky  
Boiling Point: 100°C (212°F)  
Vapor Pressure: <30 mm of Hg  
pH: 8.5 - 9.5  
Odor: Citrus  
Freezing Point: 0°C (32°F)  
Vapor Density (Air=1): <1  
1% pH: N.A.  
Physical State: Gel  
Water/Oil Distribution: N.E.  
Evaporation Rate (Water=1): N.E.  
Specific Gravity: 0.95 gm/ml  
Solubility in Water: Complete  
Odor Threshold: N.E.  
VOC Content: 21.7%  
Weight per Gallon: 7.96 lbs./gal.

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: 142°F 61°C (C.C.)  
Autoignition Temperature: N.A.  
Extinguishing Media: Use dry chemical or CO2.  
Flammable Limits: Combustible Liquid.  
LEL: N.E. UEL: N.E.  
Special Fire Fighting Procedures: Use proper protective equipment.  
Hazardous Combustion Products: N.A.  
Unusual Fire and Explosion Hazards: Avoid sources of ignition.

## SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable.  
Hazardous decomposition of By-Products: None known.  
Incompatibility (Materials to Avoid): Strong oxidizers and sources of ignition.  
Hazardous Polymerization: Will not occur.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion, Inhalation, Skin contact.  
Toxicologically Synergistic Products: None known.  
Sensitization: No.  
Medical Conditions Aggravated by Exposure: None known.  
EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):  
Eyes: May cause irritation.  
Carcinogenic Effects: NO carcinogenic effect.  
Skin: May cause mild irritation.  
Mutagenic Effects: NO mutagenic effect.  
Ingestion: May cause gastrointestinal irritation, nausea, diarrhea.  
Teratogenic Effects: NO teratogenic effect.  
Inhalation: Exposure in poorly ventilated area may cause respiratory irritation.  
Reproductive Toxicity: NO reproductive toxicity effect.

## SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: None normally required with adequate ventilation.  
Ventilation: Local Exhaust: N.A. Mechanical: Acceptable  
Protective Gloves: Rubber if needed to protect sensitive skin.  
Eye Protection: As required to prevent splashing into eyes.  
Protective Clothing and Equipment: As needed to prevent wetting of clothing.  
Work and Hygienic Practices: After handling, always wash hands thoroughly with soap and water.  
Storage Requirements: Store in cool, dry area away from sources of ignition. Empty container retains vapor and product residue; do not puncture or weld on or near container.  
Other Requirements: Keep out of reach of children.  
Steps to be Taken if Material is Spilled or Released: Collect and reuse if possible. Ventilate area and remove all sources of ignition. Collect on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.  
Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

## SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open.

Skin: Wash with mild soap and water.

Ingestion: Give 2-3 large glasses of water. Seek medical attention. In all cases if symptoms persist, seek medical attention.

Inhalation: Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.

Note to Physician: No additional information.

## SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department

Phone: 262-538-1122

Date of Preparation: 7/27/2006.



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: 29CFR1910.1200

**Issue Date** 21-Apr-2018

**Revision Date** 21-Apr-2018

**Version** 2

**Product identifier**

**Product Name** Seal-Fast Repair Hero

**Other means of identification**

**Product Code**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Used for flashing, sealing and repairing metal roofs and trailers, built up roofing, modified bitumen, TPO, and other single-ply systems.

**Uses advised against** For exterior use only. Do not use indoors.

**Details of the supplier of the safety data sheet**

<b>Manufacturer Address</b>	R.M. Lucas Company 3211 South Wood Street Chicago, Illinois 60608 (773) 523-4300	<b>Supplier Address</b>	Mule-Hide Products, Co., Inc. 1195 Prince Hall Drive Beloit, WI 53511 (800) 786-1492
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**Emergency telephone number**

**Emergency Telephone** Call CHEMTREC Day or Night:  
Within USA and Canada: 1-800 424-9300  
Outside USA and Canada: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Causes skin irritation  
Causes serious eye irritation  
Suspected of causing cancer  
Causes damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor

**Appearance** Viscous**Physical state** Paste/Gel**Odor** Solvent (Mineral Spirits)**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Do not eat, drink or smoke when using this product  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed when product is not in use.  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see first aid information on this label)  
 If skin irritation occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown acute toxicity

47% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance****Mixture**

This product is a mixture.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Common name**

Solvent-based White Mastic.

**Synonyms**

None.

**Chemical nature**

Organic solvents and additives.

Chemical Name	CAS No.	Weight-%	Trade Secret
Styrene/Butadiene Copolymer	66070-58-4	20 - 30%	*
Aromatic Naptha (with <0.1% Benzene)	64742-95-6	10 - 20%	*
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	10 - 20%	*
Hydrocarbon Resin	69430-35-9	10 - 20%	*
1,2,4 Trimethylbenzene	95-63-6	0 - 10%	*
Parachlorobenzotrifluoride	98-56-6	0 - 10%	*
Hydrated Aluminum-Magnesium Silicate (Attapulgate)	12174-11-7	0 - 10%	*
Titanium Dioxide	13463-67-7	0 - 10%	*
Polyethylene homopolymer	9002-88-4	0 - 10%	*

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	Contains petroleum distillate. Harmful or fatal if swallowed. Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
<b>Eye contact</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Skin contact</b>	Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get medical attention immediately.
<b>Ingestion</b>	Not an expected route of exposure. If swallowed, do not induce vomiting. Get medical attention immediately.
<b>Self-protection of the first aider</b>	First aider: Pay attention to self-protection!

##### Most important symptoms and effects, both acute and delayed

**Symptoms** May cause skin irritation. May cause eye irritation.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Sand. Use foam or water FOG as a last resort.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Sealed container may rupture/burst when heated or exposed to excessive heat.

**Hazardous combustion products** Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.

##### Explosion data

**Sensitivity to Mechanical Impact** Not sensitive.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** No action should be taken involving any personal risk or without suitable training. Use personal protective equipment as required.

**Other Information** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering sewers, drains, or waterways. Local authorities should be advised if significant spillages can not be contained. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Contain spillage with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite.

**Methods for cleaning up** Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local / national regulations (see Section 13).

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Remove all sources of ignition. Use only outdoors.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, dry, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition.

**Incompatible materials** Strong acids. Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** No ACGIH or OSHA PEL is assigned to this mixture. Exposure limits for the component materials are shown below. This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m <sup>3</sup>	IDLH: 20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> 15 min TWA: 350 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene	-	-	TWA: 25 ppm

95-63-6			TWA: 125 mg/m <sup>3</sup>
Parachlorobenzotrifluoride 98-56-6	TWA: 2.5 mg/m <sup>3</sup> F	TWA: 2.5 mg/m <sup>3</sup> F (vacated) TWA: 2.5 mg/m <sup>3</sup>	IDLH: 250 mg/m <sup>3</sup> F
Hydrated Aluminum-Magnesium Silicate (Attapulgite) 12174-11-7	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	-	-
Titanium Dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering Controls**

Use natural cross ventilation, local (mechanical) pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of vapors. Ventilation must be sufficient to maintain vapor concentrations below the TWA limits outlined above.

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear protective gloves and protective clothing that is resistant to chemical penetration.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

**General Hygiene Considerations**

Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Paste/Gel	<b>Odor</b>	Solvent (Mineral Spirits)
<b>Appearance</b>	Viscous	<b>Odor threshold</b>	1-30 PPM. Odor thresholds vary greatly. Do not rely on odor threshold alone to determine potentially hazardous substances.
<b>Color</b>	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not applicable	
<b>Melting point/freezing point</b>	None / -70 °C None / -94 °F	Melting Point is not applicable. Freezing points are shown.
<b>Boiling point / boiling range</b>	> 154 °C / 310 °F	
<b>Flash point</b>	> 40.5 °C / > 105 °F	Setaflash
<b>Evaporation rate</b>	0.1	Butly acetate = 1
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		Flammable above 105 degrees F and 40.5 degrees C.
<b>Upper flammability limit:</b>	7.0	
<b>Lower flammability limit:</b>	1.6	
<b>Vapor pressure</b>	0.3 (kPa)	@ 20 °C
<b>Vapor density</b>	5.3	Where: Air = 1 at 68 degrees F (20 degrees C)
<b>Specific Gravity</b>	1.10	Water = 1g/ml
<b>Water solubility</b>	Insoluble	
<b>Solubility in other solvents</b>	Soluble in aromatic and aliphatic solvents.	
<b>Partition coefficient</b>	No information available	No data available.
<b>Autoignition temperature</b>	330 °C / 626 °F	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	

**Dynamic viscosity** No information available  
**Explosive properties** Vapor accumulation could flash or explode if ignited.  
**Oxidizing properties** None

**Other Information**

**Softening point** Not applicable  
**Molecular weight** No information available  
**VOC Content (%)** Less than 300 g/l  
**Density** 8.5 lb/gal  
**Bulk density** Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not applicable Not applicable

**Chemical stability**

Stable.

**Possibility of Hazardous Reactions**

None under normal use.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid**

Avoid static discharge. Avoid heat, sparks, and open flame.

**Incompatible materials**

Strong acids. Strong oxidizing agents.

**Hazardous Decomposition Products**

Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.

**Inhalation** Avoid breathing vapors or mists.

**Eye contact** Avoid contact with eyes. Contact with eyes may cause irritation.

**Skin contact** May cause irritation.

**Ingestion** If swallowed, do not induce vomiting. Get medical attention immediately. Not an expected route of exposure.

**Component Information**

The IARC Monograph (Vol 93, 2010, Carbon Black, Titanium Dioxide, Talc) states: "No significant exposure to primary particles of Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints."

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic Naptha (with <0.1% Benzene) 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
1,2,4 Trimethylbenzene 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Parachlorobenzotriflouride 98-56-6	= 13 g/kg ( Rat )	> 2 mL/kg ( Rabbit )	= 33 mg/L ( Rat ) 4 h
Titanium Dioxide	> 10000 mg/kg ( Rat )	-	-



13463-67-7			
Polyethylene homopolymer 9002-88-4	= 8 g/kg ( Rat ) > 2000 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Can cause skin irritation.  
**Serious eye damage/eye irritation** Irritating to eyes.  
**Irritation** Irritating to eyes, respiratory system and skin.  
**Corrosivity** Not classified.  
**Sensitization** May cause sensitization of susceptible persons.  
**Germ cell mutagenicity** This product does not contain any ingredients that cause germ cell mutagenicity.  
**Carcinogenicity** The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrated Aluminum-Magnesium Silicate (Attapulgite) 12174-11-7	-	Group 2B	-	X
Titanium Dioxide 13463-67-7	-	Group 2B	-	X
Polyethylene homopolymer 9002-88-4	-	Group 3	-	-

**Legend****IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen.

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** None known for product as a whole.  
**Developmental Toxicity** None known for product as a whole.  
**Teratogenicity** None known.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - No information available**

The following values are calculated based on chapter 3.1 of the GHS document For exterior use only. Do not use indoors.

ATEmix (oral) 7,995.00  
ATEmix (dermal) 3,664.00  
ATEmix (inhalation-dust/mist) 7.23

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The following table lists information related to aquatic toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Aromatic Naptha (with <0.1% Benzene) 64742-95-6	-	9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50
1,2,4 Trimethylbenzene 95-63-6	-	7.19 - 8.28: 96 h Pimephales promelas mg/L LC50 flow-through	6.14: 48 h Daphnia magna mg/L EC50
Parachlorobenzotriflouride 98-56-6	-	11.5 - 15.8: 48 h Lepomis macrochirus mg/L LC50 static	3.68: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
1,2,4 Trimethylbenzene 95-63-6	3.63
Parachlorobenzotrifluoride 98-56-6	3.7

**Other adverse effects**

No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

**Contaminated packaging**

Do not reuse container.

### 14. TRANSPORT INFORMATION

**DOT**

Not regulated.

**RID**

Not applicable in the United States.

**ADR**

Not applicable in the United States.

**ADN**

Not applicable in the United States.

### 15. REGULATORY INFORMATION

**International Inventories****TSCA**

All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

**DSL/NDSL**

All of the components of this product are listed on the DSL.

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical

or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
1,2,4 Trimethylbenzene - 95-63-6	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Hydrated Aluminum-Magnesium Silicate (Attapulgite) - 12174-11-7	Carcinogen
Titanium Dioxide - 13463-67-7	Carcinogen

**U.S. State Right-to-Know Regulations**

This product contains the following substances regulated by various State Right-to-Know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	X	X	X
1,2,4 Trimethylbenzene 95-63-6	X	X	X
Parachlorobenzotrifluoride 98-56-6	X	-	-
Titanium Dioxide 13463-67-7	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<b>NFPA</b>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection -
Chronic Hazard Star Legend	* = Chronic Health Hazard			

Prepared By Prepared by Robert Barry  
 Issue Date 21-Apr-2018  
 Revision Date 21-Apr-2018

Revision Note  
 No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>SHEETROCK® Brand EASY SAND™ Lightweight Setting-Type Joint Compound, 5, 20, 45, 90, 210</b>	
<b>Other means of identification</b>		
<b>SDS number</b>	61000030002	
<b>Synonyms</b>	Joint Compound, Finishing Compound, Taping Compound, Mud	
<b>Recommended use</b>	Interior use.	
<b>Recommended restrictions</b>	Use in accordance with manufacturer's recommendations.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Company name</b>	United States Gypsum Company	
<b>Address</b>	550 West Adams Street Chicago, Illinois 60661-3637	
<b>Telephone</b>	1-800-874-4968	
<b>Website</b>	www.usg.com	
<b>Emergency phone number</b>	1-800-507-8899	

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Carcinogenicity (inhalation)	Category 1A
	Specific target organ toxicity, repeated exposure	Category 2 (Lung)
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Danger	
<b>Hazard statement</b>	May cause cancer by inhalation. May cause damage to organs (Lung) through prolonged or repeated exposure.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wear protective gloves/protective clothing/eye protection/face protection.	
<b>Response</b>	If exposed or concerned: Get medical advice/attention.	
<b>Storage</b>	Store locked up.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	
<b>Supplemental information</b>	None.	

## 3. Composition/information on ingredients

### Mixtures

<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1)	26499-65-0	< 60
Limestone (calcium carbonate CAS 1317-65-3 or dolomitic CAS 16389-88-1)	1317-65-3 or 16389-88-1	< 50

Chemical name	CAS number	%
Attapulgite	12174-11-7	< 10
Perlite	93763-70-3	< 10
Calcium sulfate dihydrate	13397-24-5	< 2

#### Impurities

Chemical name	Common name and synonyms	CAS number	%
Crystalline silica (Quartz)		14808-60-7	< 1.5

#### Composition comments

All concentrations are in percent by weight.

Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 1.5%. Exposures to respirable crystalline silica during the normal use of this product must be determined by workplace hygiene testing.

## 4. First-aid measures

#### Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

#### Skin contact

Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

#### Eye contact

Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

#### Ingestion

Plaster of Paris hardens and if ingested may result in stomach and intestinal blockage. Drinking gelatin solutions or large volumes of water may delay setting.

#### Most important symptoms/effects, acute and delayed

Dust may irritate throat and respiratory system and cause coughing. Prolonged exposure may cause chronic effects.

#### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

#### General information

Ensure that medical personnel are aware of the material(s) involved.

## 5. Fire-fighting measures

#### Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

#### Unsuitable extinguishing media

Not applicable.

#### Specific hazards arising from the chemical

Not a fire hazard.

#### Special protective equipment and precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Fire fighting equipment/instructions

Use standard firefighting procedures and consider the hazards of other involved materials.

#### Specific methods

Cool material exposed to heat with water spray and remove it if no risk is involved.

#### General fire hazards

No unusual fire or explosion hazards noted.

## 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

See Section 8 of the SDS for Personal Protective Equipment.

#### Methods and materials for containment and cleaning up

Vacuum up the spilled material. Vacuums used for this purpose should be equipped with HEPA filters. Containers must be labeled. Collect in approved containers and seal securely. For waste disposal, see Section 13 of the SDS.

#### Environmental precautions

Avoid discharge to drains, sewers, and other water systems.

## 7. Handling and storage

#### Precautions for safe handling

Minimize dust production when mixing, sanding, or opening and closing bags. Avoid inhalation of dust. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices and use appropriate lifting techniques.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Avoid contact with acids, water, and moisture.

**8. Exposure controls/personal protection****Occupational exposure limits****US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Impurities	Type	Value
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.05 mg/m <sup>3</sup>

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Calcium sulfate dihydrate (CAS 13397-24-5)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
Limestone (calcium carbonate CAS 1317-65-3 or dolomitic CAS 16389-88-1)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

Components	Type	Value	Form
Perlite (CAS 93763-70-3)	TWA	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.1 mg/m <sup>3</sup>	Respirable.
		2.4 mppcf	Respirable.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Calcium sulfate dihydrate (CAS 13397-24-5)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.

Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Calcium sulfate dihydrate (CAS 13397-24-5)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total
Limestone (calcium carbonate CAS 1317-65-3 or dolomitic CAS 16389-88-1)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Perlite (CAS 93763-70-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure. We recommend using wet sanding or vacuum sanding practices to reduce dust exposure.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear approved safety goggles.
<b>Skin protection</b>	
<b>Hand protection</b>	It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.
<b>Skin protection</b>	
<b>Other</b>	Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
<b>Thermal hazards</b>	None.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

**9. Physical and chemical properties****Appearance**

<b>Physical state</b>	Solid.
<b>Form</b>	Powder.
<b>Color</b>	White to off-white.

**Odor** Low to no odor.

**Odor threshold** Not applicable.

**pH** 7.5 - 9.9

**Melting point/freezing point** Not applicable.

**Initial boiling point and boiling range** 212 °F (100 °C)

**Flash point** Not applicable.

**Evaporation rate** Not applicable.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not applicable.

**Flammability limit - upper (%)** Not applicable.

**Explosive limit - lower (%)** Not applicable.

**Explosive limit - upper (%)** Not applicable.

**Vapor pressure** Not applicable.

**Vapor density** Not applicable.

<b>Relative density</b>	0.6 - 0.7 (H <sub>2</sub> O=1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Slightly.
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Bulk density</b>	35 - 45 lb/ft <sup>3</sup>
<b>VOC</b>	None detected.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	When mixed with water this product can become very hot. Encasing or making moulds of any body part can cause serious burns that may require surgical removal of affected tissue and even amputation of encased body part.
<b>Incompatible materials</b>	Acids.
<b>Hazardous decomposition products</b>	Calcium oxides. Sulfur oxides. Silicon oxides. Above 1472°F (800°C) limestone (CaCO <sub>3</sub> ) can decompose to lime (CaO) and release carbon dioxide (CO <sub>2</sub> ).

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of dusts may cause respiratory irritation. Prolonged and repeated exposure to airborne respirable crystalline silica can cause silicosis and/or lung cancer.
<b>Skin contact</b>	Under normal conditions of intended use, this product does not pose a skin hazard.
<b>Eye contact</b>	Direct contact with airborne particulates may cause temporary irritation.
<b>Ingestion</b>	Ingestion may cause irritation and stomach discomfort.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing.
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### Information on toxicological effects

<b>Acute toxicity</b>	Not expected to be a hazard under normal conditions of intended use.
<b>Skin corrosion/irritation</b>	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	Not a skin sensitizer. Plaster of Paris has displayed little sensitization potential.
<b>Germ cell mutagenicity</b>	Data does not suggest that this product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	Repeated and prolonged exposure to high levels of respirable crystalline silica may cause cancer.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Attapulgit (CAS 12174-11-7)	2B Possibly carcinogenic to humans.
Crystalline silica (Quartz) (CAS 14808-60-7)	3 Not classifiable as to carcinogenicity to humans.
	1 Carcinogenic to humans.

### NTP Report on Carcinogens

Crystalline silica (Quartz) (CAS 14808-60-7)	Known To Be Human Carcinogen.
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### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Crystalline silica (Quartz) (CAS 14808-60-7)	Cancer
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<b>Reproductive toxicity</b>	Not expected to be a reproductive hazard.
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<b>Specific target organ toxicity - single exposure</b>	No data available, but none expected.
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs (lung) through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Due to the physical form of the product it is not an aspiration hazard.
<b>Chronic effects</b>	Prolonged and routine inhalation of high levels of respirable crystalline silica particles can lead to the lung disease known as silicosis. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.
<b>Further information</b>	No additional adverse health effects noted.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Calcium sulfate dihydrate (CAS 13397-24-5)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) > 1970 mg/l, 96 hours
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1) (CAS 26499-65-0)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) > 1970 mg/l, 96 hours

**Persistence and degradability** Calcium sulfate dissolves in water forming calcium and sulfate ions.

**Bioaccumulative potential** Bioaccumulation is not expected.

**Mobility in soil** No data available.

**Other adverse effects** None expected.

## 13. Disposal considerations

**Disposal instructions** Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Crystalline silica (Quartz) (CAS 14808-60-7)	Cancer lung effects immune system effects kidney effects
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### Toxic Substances Control Act (TSCA)

All components on the TSCA 8(b) inventory are designated "active" or are exempt from reporting under the Inventory Update Rule.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Classified hazard categories	Carcinogenicity Specific target organ toxicity (single or repeated exposure)
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#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

### US state regulations

#### US. Massachusetts RTK - Substance List

Calcium sulfate dihydrate (CAS 13397-24-5)  
Crystalline silica (Quartz) (CAS 14808-60-7)  
Limestone (calcium carbonate CAS 1317-65-3 or dolomitic CAS 16389-88-1) (CAS 1317-65-3 or 16389-88-1)  
Perlite (CAS 93763-70-3)  
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

#### US. New Jersey Worker and Community Right-to-Know Act

Calcium sulfate dihydrate (CAS 13397-24-5)  
Crystalline silica (Quartz) (CAS 14808-60-7)  
Limestone (calcium carbonate CAS 1317-65-3 or dolomitic CAS 16389-88-1) (CAS 1317-65-3 or 16389-88-1)  
Perlite (CAS 93763-70-3)  
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Calcium sulfate dihydrate (CAS 13397-24-5)  
Crystalline silica (Quartz) (CAS 14808-60-7)  
Limestone (calcium carbonate CAS 1317-65-3 or dolomitic CAS 16389-88-1) (CAS 1317-65-3 or 16389-88-1)  
Perlite (CAS 93763-70-3)  
Plaster of Paris (Calcium sulfate hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

#### US. Rhode Island RTK

Calcium sulfate dihydrate (CAS 13397-24-5)  
Crystalline silica (Quartz) (CAS 14808-60-7)  
Limestone (calcium carbonate CAS 1317-65-3 or dolomitic CAS 16389-88-1) (CAS 1317-65-3 or 16389-88-1)

#### California Proposition 65



**WARNING:** This product can expose you to chemicals including Attapulgite, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### California Proposition 65 - CRT: Listed date/Carcinogenic substance

Attapulgite (CAS 12174-11-7)	Listed: December 28, 1999
Crystalline silica (Quartz) (CAS 14808-60-7)	Listed: October 1, 1988

#### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Attapulgite (CAS 12174-11-7)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 31-December-2013

**Revision date** 24-March-2021

**Version #** 04

**Further information**

Crystalline silica: Raw materials in this product contain respirable crystalline silica as an impurity. Exposures to respirable crystalline silica are not expected during the normal use of this product. However, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

Attapulgite: Carcinogenic to experimental animals via a route of exposure not relevant to human exposure per ACGIH.

Plaster of Paris: Is classified as a hazardous substance but is generally considered a safe material for routine use. When plaster of Paris is used responsibly it is not considered as a dangerous material. However, when mixed with water this product can become very hot. DO NOT attempt to make a cast enclosing any part of the body. Encasing any body part can cause serious burns and even amputation of the encased body part.

NFPA Ratings:  
Health: 1  
Flammability: 0  
Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA ratings****Disclaimer**

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** SHEETROCK® Brand Lightweight All Purpose Joint Compound with Dust Control

**Other means of identification**

**SDS number** 61000010017

**Synonyms** Joint Compound (Ready-Mixed) , Taping Compound, Mud, Finishing Compound

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

### Manufacturer / Importer / Supplier / Distributor information

**Company name** United States Gypsum Company

**Address** 550 West Adams Street  
Chicago, Illinois 60661-3637

**Telephone** 1-800-874-4968

**Website** www.usg.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

### Precautionary statement

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	CAS number	%
Limestone	1317-65-3	< 50
Perlite	93763-70-3	< 10
Attapulgit	12174-11-7	< 5

### Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 0.7%. The OSHA PEL for respirable crystalline silica has been lowered to 0.05 mg/m3, effective June 23, 2016 with compliance dates of June 23, 2017 for construction and June 23, 2018 for general industry. Testing of this product and its constituents suggests that under normal conditions the expected use of this product will not result in exposure to respirable crystalline silica that exceeds the OSHA PEL. However, actual exposures to respirable crystalline silica on a given jobsite must be determined by workplace hygiene testing.

## 4. First-aid measures

**Inhalation** Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

**Skin contact** Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

**Eye contact** Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing. May cause allergic skin disorders in sensitive individuals.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Not applicable.
<b>Specific hazards arising from the chemical</b>	Not a fire hazard.
<b>Special protective equipment and precautions for firefighters</b>	Selection of respiratory protection for firefighting; follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Specific methods</b>	Cool material exposed to heat with water spray and remove it if no risk is involved.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	See Section 8 of the SDS for Personal Protective Equipment.
<b>Methods and materials for containment and cleaning up</b>	Large Spills: Scoop spilled materials and recover as much of the product as possible for use. If spillage is unrecoverable dispose according to local, state, and federal regulations.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Avoid discharge to drains, sewers, and other water systems.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid inhalation of dust and contact with skin and eyes. Minimize dust generation and accumulation. In case of insufficient ventilation, wear suitable respiratory equipment. Observe good industrial hygiene practices. Use proper lifting techniques.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry, well-ventilated place. Store in a closed container away from incompatible materials. Protect from moisture. Keep away from heat. Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor. Keep containers closed when not in use.  Filled 4.5 gallon pails of joint compound may be stacked a maximum of 3 layers high on a standard 48 x 48 pallet (16 pails per layer, 3 layers high). Pallets may only be stacked a maximum of two high.  Filled cartons of joint compound may be stacked a maximum of 3 layers high on a standard 42 x 42 or 42 x 48 pallet (16 pails per layer, 3 layers high). Pallets may only be stacked a maximum of two high.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total
Perlite (CAS 93763-70-3)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
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<b>Appropriate engineering controls</b>	Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear approved safety goggles.
<b>Skin protection</b>	
<b>Hand protection</b>	It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.
<b>Other</b>	Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.
<b>Thermal hazards</b>	None.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Semi-solid.
<b>Form</b>	Paste.
<b>Color</b>	Off-white.
<b>Odor</b>	Low to no odor.
<b>Odor threshold</b>	Not applicable.
<b>pH</b>	7.5 - 9.9
<b>Melting point/freezing point</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C)
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Explosive limit - lower (%)</b>	Not applicable.
<b>Explosive limit - upper (%)</b>	Not applicable.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	1 - 1.3 (H <sub>2</sub> O=1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble in water.
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Bulk density</b>	8.3 - 11 lb/gal
<b>VOC (Weight %)</b>	7 g/l (Calculated by EPA Method 24)

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.

<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Above 1472°F (800°C) limestone (CaCO <sub>3</sub> ) can decompose to lime (CaO) and release carbon dioxide (CO <sub>2</sub> ).

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Inhalation</b>	Airborne dust may irritate throat and upper respiratory system causing coughing.
<b>Skin contact</b>	May cause allergic skin reactions especially in individuals with pre-existing skin disease such as eczema. (See Section 16).
<b>Eye contact</b>	Airborne dust may cause mechanical eye irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing.

### Information on toxicological effects

<b>Acute toxicity</b>	Not expected to be a hazard under normal conditions of intended use.
<b>Skin corrosion/irritation</b>	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals after repeated contact. For detailed information, see section 16.
<b>Germ cell mutagenicity</b>	Data does not suggest that this product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not expected to increase the risk of cancer.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Attapulgite (CAS 12174-11-7)	2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.
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<b>Reproductive toxicity</b>	Not expected to be a reproductive hazard.
<b>Specific target organ toxicity - single exposure</b>	No data available, but none expected.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Prolonged exposure may cause chronic effects. For detailed information, see section 16.

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	Bioaccumulation is not expected.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	None expected.

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose of in accordance with local regulations.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

### US state regulations

#### US. Massachusetts RTK - Substance List

Limestone (CAS 1317-65-3)

Perlite (CAS 93763-70-3)

#### US. New Jersey Worker and Community Right-to-Know Act

Limestone (CAS 1317-65-3)

Perlite (CAS 93763-70-3)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Limestone (CAS 1317-65-3)

Perlite (CAS 93763-70-3)

#### US. Rhode Island RTK

Not regulated.

#### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Attapulgite (CAS 12174-11-7)



## International Inventories

All components of this product are in compliance with the listing Requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

## 16. Other information, including date of preparation or last revision

**Issue date** 04-February-2014  
**Revision date** 02-March-2017  
**Version #** 03  
**Further information**

Attapulgite: Carcinogenic to experimental animals via a route of exposure not relevant to human exposure per ACGIH.

Skin Sensitization Potential: This product contains an amount of Triazinetriethanol (THT) (CAS No. 4719-04-4) that is within the approved EPA regulated limits. THT can act as a sensitizer. Numerous human studies with concentrations up to 1% yielded negative (no sensitization) results. However, some results showed positive reactions in concentrations <0.5% mostly in persons with eczema.

Crystalline silica: Raw materials in this product may contain respirable crystalline silica as an impurity. Exposures to respirable crystalline silica are not expected during the normal use of this product. However, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

Bucket NFPA Classification:

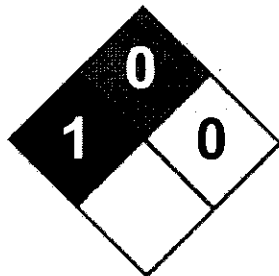
Health: 0  
Flammability: 1  
Physical hazard: 0

NFPA Ratings:

Health: 1  
Flammability: 0  
Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### NFPA Ratings



### List of abbreviations

NFPA: National Fire Protection Association.

### References

Registry of Toxic Effects of Chemical Substances (RTECS)  
HSDB® - Hazardous Substances Data Bank  
Torben et al. (2001). Environmental and Health Assessment of Substances in Household Detergents and Cosmetic Products.

### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** SHEETROCK® Brand PLUS 3® Lightweight All Purpose Joint Compound, Ready-Mixed

**Other means of identification**

**SDS number** 61000010011

**Synonyms** Joint Compound (Ready-Mixed) , Taping Compound, Mud, Finishing Compound

**Recommended use** Interior use.

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

### Manufacturer / Importer / Supplier / Distributor information

**Company name** United States Gypsum Company

**Address** 550 West Adams Street  
Chicago, Illinois 60661-3637

**Telephone** 1-800-874-4968

**Website** www.usg.com

**Emergency phone number** 1-800-507-8899

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** None.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)** Not classified.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	CAS number	%
Limestone	1317-65-3	< 50
Perlite	93763-70-3	< 10
Attapulgit	12174-11-7	< 5

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas.

Industrial hygiene studies by USG Corporation and governmental agencies did not detect airborne respirable crystalline silica during activities associated with the normal use of this product. However, job site air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

## 4. First-aid measures

**Inhalation** Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

**Skin contact** Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

**Eye contact** Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing. May cause allergic skin disorders in sensitive individuals.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Not applicable.
<b>Specific hazards arising from the chemical</b>	Not a fire hazard.
<b>Special protective equipment and precautions for firefighters</b>	Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Specific methods</b>	Cool material exposed to heat with water spray and remove it if no risk is involved.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	See Section 8 of the SDS for Personal Protective Equipment.
<b>Methods and materials for containment and cleaning up</b>	Large Spills: Scoop spilled materials and recover as much of the product as possible for use. If spillage is unrecoverable dispose according to local, state, and federal regulations.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Avoid discharge to drains, sewers, and other water systems.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid inhalation of dust and contact with skin and eyes. Minimize dust generation and accumulation. In case of insufficient ventilation, wear suitable respiratory equipment. Observe good industrial hygiene practices. Use proper lifting techniques.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry, well-ventilated place. Store in a closed container away from incompatible materials. Protect from moisture. Keep away from heat. Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor. Keep containers closed when not in use.  Filled 4.5 gallon pails of joint compound may be stacked a maximum of 3 layers high on a standard 48 x 48 pallet (16 pails per layer, 3 layers high). Pallets may only be stacked a maximum of two high.  Filled cartons of joint compound may be stacked a maximum of 3 layers high on a standard 42 x 42 or 42 x 48 pallet (16 pails per layer, 3 layers high). Pallets may only be stacked a maximum of two high.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

#### US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)

Components	Type	Value	Form
Limestone (CAS 1317-65-3)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total
Perlite (CAS 93763-70-3)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
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<b>Appropriate engineering controls</b>	Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear approved safety goggles.
<b>Skin protection</b>	
<b>Hand protection</b>	It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.
<b>Other</b>	Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.
<b>Thermal hazards</b>	None.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Semi-solid.
<b>Form</b>	Paste.
<b>Color</b>	Off-white.
<b>Odor</b>	Low to no odor.
<b>Odor threshold</b>	Not applicable.
<b>pH</b>	7.5 - 9.9
<b>Melting point/freezing point</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C)
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Explosive limit - lower (%)</b>	Not applicable.
<b>Explosive limit - upper (%)</b>	Not applicable.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	1 - 1.3 (H <sub>2</sub> O=1)
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Bulk density</b>	8.3 - 11 lb/gal
<b>VOC (Weight %)</b>	0.1 - 1.6 g/l (Calculated by EPA Method 24)

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Above 1472°F (800°C) limestone (CaCO <sub>3</sub> ) can decompose to lime (CaO) and release carbon dioxide (CO <sub>2</sub> ).

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Inhalation</b>	Airborne dust may irritate throat and upper respiratory system causing coughing.
<b>Skin contact</b>	May cause allergic skin reactions especially in individuals with pre-existing skin disease such as eczema. (See Section 16).
<b>Eye contact</b>	Airborne dust may cause mechanical eye irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing.

### Information on toxicological effects

<b>Acute toxicity</b>	Not expected to be a hazard under normal conditions of intended use.
<b>Skin corrosion/irritation</b>	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals after repeated contact. For detailed information, see section 16.
<b>Germ cell mutagenicity</b>	Data does not suggest that this product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not expected to increase the risk of cancer.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Attapulgit (CAS 12174-11-7)	2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.
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<b>Reproductive toxicity</b>	Not expected to be a reproductive hazard.
<b>Specific target organ toxicity - single exposure</b>	No data available, but none expected.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Prolonged exposure may cause chronic effects. For detailed information, see section 16.

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	Bioaccumulation is not expected.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	None expected.

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose of in accordance with local regulations.

## 14. Transport information

### DOT

Not regulated as a hazardous material by DOT.

### IATA

Not regulated as a dangerous good.

### IMDG

Not regulated as a dangerous good.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

### US state regulations

#### US. Massachusetts RTK - Substance List

Limestone (CAS 1317-65-3)

Perlite (CAS 93763-70-3)

#### US. New Jersey Worker and Community Right-to-Know Act

Limestone (CAS 1317-65-3)

Perlite (CAS 93763-70-3)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Limestone (CAS 1317-65-3)

Perlite (CAS 93763-70-3)

#### US. Rhode Island RTK

Not regulated.

#### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Attapulgite (CAS 12174-11-7)

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 22-January-2014

**Revision date** -

**Version #** 01

### Further information

Vinyl acetate monomer, formaldehyde and acetaldehyde: Trace amounts of vinyl acetate monomer and formaldehyde may be found in this product.

Attapulgite: Carcinogenic to experimental animals via a route of exposure not relevant to human exposure.

Skin Sensitization Potential: This product contains an amount of Triazinetriethanol (THT) (CAS No. 4719-04-4) that is below the approved EPA regulated limits. THT can act as a sensitizer. Numerous human studies with concentrations up to 1% yielded negative (no sensitization) results. However, some results showed positive reactions in concentrations <0.5% mostly in persons with eczema.

Crystalline silica: Raw materials in this product may contain respirable crystalline silica. Exposures to respirable crystalline silica are not expected during the normal use of this product. However, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

Bucket NFPA Classification:

Health: 0

Flammability: 1

Physical hazard: 0

NFPA Ratings:

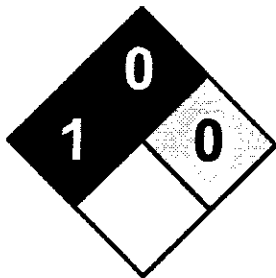
Health: 1

Flammability: 0

Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### NFPA Ratings



### List of abbreviations

NFPA: National Fire Protection Association.

### References

Registry of Toxic Effects of Chemical Substances (RTECS)

HSDB® - Hazardous Substances Data Bank

Torben et al. (2001). Environmental and Health Assessment of Substances in Household Detergents and Cosmetic Products.

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# SAFETY DATA SHEET

B66T354

## Section 1. Identification

**Product name** : SHER-CRYL™ HPA High Performance Acrylic Semi-Gloss Coating  
Clear Tint Base

**Product code** : B66T354

**Other means of identification** : Not available.

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**

Not applicable.

**Manufacturer** : THE SHERWIN-WILLIAMS COMPANY  
101 PROSPECT AVENUE, NW  
CLEVELAND, OHIO 44115

**Emergency telephone number of the company** : (216) 566-2917

**Product Information Telephone Number** : (800) 524-5979

**Regulatory Information Telephone Number** : (216) 566-2902

**Transportation Emergency Telephone Number** : (800) 424-9300

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 1A  
TOXIC TO REPRODUCTION (Unborn child) - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 15.2%

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : May cause cancer.  
Suspected of damaging the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapor.

**Response** : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention.

**Storage** : Store locked up.



## Section 2. Hazards identification

<b>Disposal</b>	Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY.  Please refer to the SDS for additional information. Do not transfer contents to other containers for storage.
<b>Hazards not otherwise classified</b>	: None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: Mixture
<b>Other means of identification</b>	: Not available.

### CAS number/other identifiers

Ingredient name	% by weight	CAS number
Propylene Glycol	1.6	57-55-6
2-(2-Methoxyethoxy)-ethanol	1.5	111-77-3
Tetramethyl Decynediol	0.3	126-86-3
Quartz	0.1	14808-60-7

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
<b>Inhalation</b>	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Skin contact</b>	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing

## Section 4. First aid measures

such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.  
**Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Skin contact** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
**Specific treatments** : No specific treatment.  
**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.  
**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

## Section 5. Fire-fighting measures

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Propylene Glycol	<b>AIHA WEEL (United States, 10/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
Quartz	<b>OSHA PEL Z3 (United States, 2/2013).</b> TWA: 250 MPPCF / (%SiO <sub>2</sub> +5) 8 hours. Form: Respirable TWA: 10 MG/M3 / (%SiO <sub>2</sub> +2) 8 hours. Form: Respirable <b>ACGIH TLV (United States, 4/2014).</b> TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction <b>NIOSH REL (United States, 10/2013).</b> TWA: 0.05 mg/m <sup>3</sup> 10 hours. Form: respirable dust

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 9
Melting point	: Not available.
Boiling point	: 100°C (212°F)
Flash point	: Closed cup: >93.3°C (>199.9°F)
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Lower: 1.5% Upper: 12.5%
Vapor pressure	: 0.31 kPa (2.333 mm Hg) [at 20°C]
Vapor density	: 1 [Air = 1]
Relative density	: 1.12
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (room temperature): >0.07 cm <sup>2</sup> /s (>7 cSt) Kinematic (40°C (104°F)): >0.07 cm <sup>2</sup> /s (>7 cSt)

### Aerosol product

Heat of combustion : 0.000003856 kJ/g

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Propylene Glycol	LD50 Dermal	Rabbit	20800 mg/kg	-
	LD50 Oral	Rat	20 g/kg	-

## Section 11. Toxicological information

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Propylene Glycol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams 100 milligrams 96 hours 30 Percent continuous 168 hours 500 milligrams 72 hours 104 milligrams Intermittent 96 hours 30 Percent	-
	Eyes - Mild irritant	Rabbit	-		-
	Skin - Moderate irritant	Child	-		-
	Skin - Mild irritant	Human	-		-
	Skin - Moderate irritant	Human	-		-
2-(2-Methoxyethoxy)-ethanol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams 500 milligrams	-
	Eyes - Moderate irritant	Rabbit	-		-
Tetramethyl Decynediol	Eyes - Severe irritant	Rabbit	-	0.1 Milliliters 0.5 Grams	-
	Skin - Mild irritant	Rabbit	-		-

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

Product/ingredient name	OSHA	IARC	NTP
Quartz	-	1	Known to be a human carcinogen.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Propylene Glycol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
2-(2-Methoxyethoxy)-ethanol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Tetramethyl Decynediol	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects

### Specific target organ toxicity (repeated exposure)

## Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Propylene Glycol	Category 2	Not determined	Not determined
2-(2-Methoxyethoxy)-ethanol	Category 2	Not determined	Not determined
Tetramethyl Decynediol	Category 2	Not determined	Not determined

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Skin contact** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : May cause damage to organs through prolonged or repeated exposure.  
**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : Suspected of damaging the unborn child.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## Numerical measures of toxicity

### Acute toxicity estimates

Route	ATE value
Oral	56555.7 mg/kg

## **Section 12. Ecological information**

### Toxicity

Product/ingredient name	Result	Species	Exposure
Propylene Glycol	Acute EC50 >110 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1020000 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
2-(2-Methoxyethoxy)-ethanol	Acute LC50 710000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute EC50 >930 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 7500000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Propylene Glycol	-	-	Readily

### Bioaccumulative potential

Not available.

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## **Section 13. Disposal considerations**

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **Section 14. Transport information**



## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	<u>Special provisions</u> Not Applicable	<u>Special provisions</u> Not Applicable	<u>Special provisions</u> Not Applicable	<u>Special provisions</u> Not Applicable	<u>Emergency schedules (EmS)</u> Not Applicable

**Special precautions for user :** Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according :** Not available.  
to Annex II of MARPOL  
73/78 and the IBC Code

## Section 15. Regulatory information

U.S. Federal regulations :

State regulations

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical hazards		0

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.**

The customer is responsible for determining the PPE code for this material.

## Section 16. Other information

### Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.



## All Purpose Cleaner with Bleach

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	All Purpose Cleaner with Bleach
Reference Number	40000678
Company	KIK Custom Products 33 MacIntosh Blvd. Concord, Ontario L4K 4L5 T: 905-660-0444
24 Hour Emergency Contact	1-800-255-3924
Prepared By	Product Development KIK Classic Division
Revised Date	August 23, 2012

### SECTION 2: HAZARD IDENTIFICATION

**General Advice:** May cause moderate eye and mild to moderate skin irritation. If irritation occurs, consult a physician. Keep out of reach of children and pets.

**Routes of Exposure:** Eyes, Skin, Inhalation, Ingestion

**Potential Health Effects:**

**Eyes:** May cause substantial but temporary eye injury.

**Skin:** May cause mild to moderate irritation.

**Inhalation:** Inhalation of vapors may irritate breathing passages.

**Ingestion:** May cause nausea and vomiting.

**Target organs:** Eyes. Skin. Respiratory system.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<i>Chemical Name</i>	<i>Concentration %</i>	<i>CAS No.</i>	<i>Worker Exposure Limit</i>	<i>LD50 Oral (Rat)</i>
Sodium Hypochlorite	1-6	7681-52-9	Not available	Not available
Sodium Hydroxide	<1	1310-73-2	2 mg/m <sup>3</sup> – TLV-C*	Not available

\*TLV-C = ACGIH Threshold Limit Value – Ceiling

## All Purpose Cleaner with Bleach

### SECTION 4: FIRST AID MEASURES

**Eyes:** Flush eyes with cool running water holding eyelids apart to ensure thorough rinsing for at least 15 minutes. Remove contact lenses after first few minutes of rinsing and then continue the rinsing. See a physician immediately.

**Skin:** Remove contaminated clothing. Wash skin with soap and water for at least 15 minutes. If irritation occurs, consult a physician.

**Inhalation:** Move to fresh air and restore breathing if required.

**Ingestion: DO NOT INDUCE VOMITING!** Drink 1 or 2 glasses of water. Do not give anything by mouth to a convulsing or unconscious person. See a physician immediately.

### SECTION 5: FIRE FIGHTING MEASURES

This product is neither flammable nor explosive.

Suitable extinguishing media: Treat for surrounding material.

Protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Always contain all types of spills. Be sure to wear protective equipment (see Section 8)

**Leak and Spill Procedure:** Dilute product by flooding area with large quantity of water and flush to sanitary sewer

**Large Spills:** Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container for disposal by approved methods. Use a water rinse for final clean-up.

## All Purpose Cleaner with Bleach

### SECTION 7: HANDLING AND STORAGE

**Handling:** Use only as directed. Avoid any contact with eyes, skin and clothing. When using, do not eat or drink.

**Storage:** Store in a cool, dry and well-ventilated area away from direct sunlight and heat to avoid deterioration. Always keep the container upright and tightly capped at all times. **KEEP OUT OF REACH OF CHILDREN AND PETS.**

**Incompatibility:** Acids, ammonia, urea, metals & oxidizers.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Household Setting

**Eyes Protection** – No special requirements needed under normal use conditions.

**Hand Protection** – No special requirements needed under normal use conditions. Use gloves for sensitive skin.

**Footwear** – Protect shoes and feet when using product for floor cleaning..

**Respiratory protection** – Not normally required.

#### Industrial Setting

**Eyes Protection** – Wear splash-resistant chemical safety glasses.

**Hand Protection** – Use suitable gloves.

**Footwear** – Protect shoes and feet when using product for floor cleaning.

**Respiratory protection** – No special requirements needed. Work area should be well ventilated.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Appearance	: Clear
Color	: Pale Yellow
Odor	: Floral
pH	: 12.6 maximum
Specific Gravity	: 1.030-1.050 (water = 1)
Viscosity	: Not available
Water Solubility	: Complete
Boiling Point	: Not available
Melting Point	: Not available
Freezing point	: Not available

## All Purpose Cleaner with Bleach

### SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and storage conditions.

**Conditions to avoid:** Temperature above 40°C, sunlight and metals.

**Materials to avoid:** Acids, ammonia, urea, metals & oxidizers.

**Reactivity:** Reacts with other household products containing such chemicals as acids, rust removers, urea or ammonia to produce hazardous gases such as chlorine and other chlorinated species. Oxygen is released on contact with metals. Extended contact with metals may cause discoloration or pitting

### SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Effects: Not available

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Effects: Not available

### SECTION 13: DISPOSAL CONSIDERATIONS

Reclaim or dispose in accordance with local regulations.

### SECTION 14: TRANSPORTATION INFORMATION

#### U.S. DOT and Canadian TDG land Transportation

Not a DOT regulated material (USA)

Not regulated under TDG.

#### IMDG Sea Transport

Class: 9

UN: UN3082

Proper Shipping Name: Environmentally Hazardous Substance Liquid, N.O.S. (Sodium Hypochlorite)

Packaging Group: III

Marine Pollutant: Sodium Hypochlorite

### SECTION 15: REGULATORY INFORMATION

**WHMIS (Canada):** Not a WHMIS controlled product.

## All Purpose Cleaner with Bleach

### SECTION 16: OTHER INFORMATION

**HMIS Ratings**

Health : 1

Flammability : 0

Reactivity : 1

**NFPA Ratings**

Health : 1

Flammability : 0

Reactivity : 1

Created By: Mitul Bhandari

Date: 6/21/2012

Approved By: Eden Mercado

Date: 09/11/2012

As the handling and use of this product are beyond our control, no warranty, expressed or implied is made concerning this product. The information contained here is offered only as a guide and is not intended to be all-inclusive in the manner and conditions of use and handling. The user assumes all risks of use or handling whether or not in accordance with any directions or suggestions of the manufacturer. Manufacturer shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our product.

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29CFR 1910.1200. Standard must be consulted for specific requirements.

SHOPRITE ORANGE ALL PURPOSE CLEANER 32 FL. OZ.

QUICK IDENTIFIER  
Common Name: (Used on label)

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## SECTION 1 - MANUFACTURER'S INFORMATION

Manufacturer's Name: RGA Enterprises, Inc.  
Address: 4001 Morris Field Drive  
City, State, Zip: Charlotte, NC 28208  
Signature of Preparer:

Emergency Phone: 1-800-255-3924 (CHEMTEL)  
Other Calls: 1-704-398-0487  
Date Prepared: 3/24/2004

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) chemical & common name(s)	OSHA PEL	ACGIH PEL	Other Exposure Limits	Percent (Optional)	CAS Number
NONE					

## SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 212 DEG F  
Specific Gravity (H2O=1): 1.00  
Vapor Pressure (mm Hg): NE  
Vapor Density (Air=1): NE  
pH: 11.5 - 11.9

Melting Point: NA  
Solubility in Water: COMPLETE  
Reactivity in Water: NONE  
Appearance & Odor: CLEAR LIGHT ORANGE LIQUID WITH CITRUS ODOR

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: NA  
Method Used: NA  
Flammable Limits in Air % by Volume: LEL Lower: NA UEL Upper: NA  
Auto Ignition Temp.: NA

Extinguishing Media: FOAM, DRY CHEMICAL, CARBON DIOXIDE (CO2), WATER SPRAY  
Special Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO KEEP CONTAINERS COOL

Unusual Fire & Explosion Hazards: NONE  
NFPA Rating: Health - 1, Flammability - 0, Reactivity - 0

## SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Unstable \_\_\_\_\_  
Stable   X    
Conditions to Avoid: EXCESSIVE HEAT, SPARKS AND OPEN FLAME.

Incompatibility (Materials to Avoid): STRONG OXIDIZERS AND REDUCING AGENTS (ACIDS AND BASES)

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON

Hazardous Polymerization: May Occur \_\_\_\_\_  
Will Not Occur   X    
Conditions to Avoid: NONE

NA - Not Applicable

NE - Not Established



**SECTION 6 - HEALTH HAZARDS**

Acute: NONE KNOWN

Chronic: NONE KNOWN

Signs & Symptoms of Exposure:

DIRECT CONTACT WITH EYES WILL CAUSE TEARING AND REDNESS. INHALATION OR INGESTION OF LARGE AMOUNTS MAY CAUSE DIZZINESS, NAUSEA OR VOMITING.

Medical Conditions Generally Aggravated by Exposure:

SKIN DISORDERS MAY BE AGGRAVATED BY OVEREXPOSURE.

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program        Yes  
  X   No

I.A.R.C. Monographs         
  X  

OSHA        Yes  
  X   No

Emergency and First Aid Procedures: "REFER TO ROUTES OF ENTRY" BELOW

**ROUTES OF ENTRY**

Inhalation: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. SEEK MEDICAL ATTENTION.

Eyes: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CONSULT PHYSICIAN.

Skin: WASH WITH MILD SOAP AND WATER. IF IRRITATION PERSISTS, CONSULT PHYSICIAN.

Ingestion: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY. CONTACT LOCAL POISON CONTROL CENTER.

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

Precautions to be taken in handling and storage: STORE IN COOL, DRY AREA. STORE PRODUCT IN ORIGINAL CONTAINER. DO NOT MIX WITH OTHER CLEANING PRODUCTS AS HAZARDOUS GASES MAY RESULT. WASH HANDS AFTER USING. IF CLOTHING IS CONTAMINATED, WASH BEFORE REUSE.

Other Precautions: SLIPPERY WHEN WET!

Steps to be taken in case material is released or spilled: CONTAIN SPILL AND ABSORB WITH INERT MATERIAL. PLACE IN SUITABLE WASTE CONTAINER FOR DISPOSAL.

Waste disposal methods: IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES**

Respiratory Protection: OSHA APPROVED CANNISTER MASK IF OVEREXPOSURE MAY OCCUR.

Ventilation: Local Exhaust: ADEQUATE Mechanical Exhaust: IF NEEDED Special: NONE

Protective Gloves: USE CHEMICAL RESISTANT GLOVES IF OVEREXPOSURE MAY OCCUR.

Eye Protection: GOGGLES OR FULL FACE SHIELD IF DIRECT CONTACT MAY OCCUR.

Other Protective Clothing or Equipment: NONE

Work/Hygiene Practices: USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS AFTER USE. WASH CONTAMINATED CLOTHING BEFORE REUSE.

The information relates to the specific material designated and may not be valid for such material used in combination with other material or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer warranty against patent infringement.

NA - Not Applicable

NE - Not Established



## 1. Identification

Product name : Sikadur® 21 Lo-Mod LV Part B

Supplier : Sika Corporation

Address : 201 Polito Avenue  
Lyndhurst, NJ 07071  
USA  
www.sikausa.com

Telephone : (201) 933-8800

Telefax : (201) 804-1076

Emergency telephone : CHEMTREC: 800-424-9300  
INTERNATIONAL: 703-527-3887  
ehs@sika-corp.com

Recommended use of the chemical and restrictions on use : For further information, refer to the product technical data sheet.

## 2. Hazards identification

### GHS Classification

Acute toxicity, Category 4 (Oral)	H302: Harmful if swallowed.
Skin corrosion, Category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Reproductive toxicity, Category 2	H361: Suspected of damaging fertility or the unborn child.

### GHS Label element

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust or mist.



P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P281 Use personal protective equipment as required.

**Response:**

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
 P310 Immediately call a POISON CENTER or doctor/ physician.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P363 Wash contaminated clothing before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

Warning : Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain,liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

See Section 11 for more detailed information on health effects and symptoms.

**3. Composition/information on ingredients**

**Hazardous ingredients**

Chemical Name	CAS-No.	Concentration (%)
Phenol, 4-nonyl, branched	84852-15-3	>= 25 - < 50 %
Polyoxypropylenediamine	9046-10-0	>= 25 - < 50 %
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 5 - < 10 %
2-piperazin-1-ylethylamine	140-31-8	>= 5 - < 10 %
solvent naphtha (petroleum), heavy arom.	64742-94-5	>= 2 - < 5 %
bis[(dimethylamino)methyl]phenol	71074-89-0	>= 1 - < 2 %
1-methylnaphthalene	90-12-0	>= 1 - < 2 %
Naphthalene, pure	91-20-3	>= 1 - < 2 %



There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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#### 4. First aid measures

- |   |   |
|---|---|
| If inhaled  | : Move to fresh air.<br>Consult a physician after significant exposure.   |
| In case of skin contact                                     | : Take off contaminated clothing and shoes immediately.<br>Wash off with soap and plenty of water.<br>Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  |
| In case of eye contact                                      | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Keep eye wide open while rinsing. |
| If swallowed  | : Clean mouth with water and drink afterwards plenty of water.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>Take victim immediately to hospital.   |
| Most important symptoms and effects, both acute and delayed | : Health injuries may be delayed.<br>corrosive effects<br>sensitizing effects<br><br>Gastrointestinal discomfort<br>Allergic reactions<br>Dermatitis<br>See Section 11 for more detailed information on health effects and symptoms.  |
| Protection of first-aiders                                  | : Move out of dangerous area.<br>Consult a physician.<br>Show this material safety data sheet to the doctor in attendance.  |
| Notes to physician  | : Treat symptomatically.  |

---

#### 5. Fire-fighting measures

- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Specific extinguishing methods | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.      |



Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

**6. Accidental release measures**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Deny access to unprotected persons.
- Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**7. Handling and storage**

- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.
- Materials to avoid : no data available

**8. Exposure controls/personal protection**

Component	CAS-No.	Basis **	Value	Exposure limit(s)* / Form of exposure
Naphthalene, pure	91-20-3	ACGIH	TWA	10 ppm
		ACGIH	STEL	15 ppm



		OSHA Z-1	TWA	10 ppm 50 mg/m3
		OSHA P0	TWA	10 ppm 50 mg/m3
		OSHA P0	STEL	15 ppm 75 mg/m3

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**\*\*Basis**

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

**Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal protective equipment**

**Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection**  
**Remarks**

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

**Skin and body protection**

: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Hygiene measures**

: Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the



product.  
Remove contaminated clothing and protective equipment  
before entering eating areas.  
Wash thoroughly after handling.

---

## 9. Physical and chemical properties

Appearance	: liquid
Color	: amber
Odor	: amine-like
Odor Threshold	: no data available
Flash point	: > 212 °F (> 100 °C)
Ignition temperature	: not applicable
Decomposition temperature	: no data available
Lower explosion limit (Vol%)	: no data available
Upper explosion limit (Vol%)	: no data available
Flammability (solid, gas)	: no data available
Oxidizing properties	: no data available
Autoignition temperature	: no data available
pH	: no data available
Melting point/range / Freezing point	: no data available
Boiling point/boiling range	: no data available
Vapor pressure	: no data available
Density	: 0.98 g/cm <sup>3</sup> at 68 °F (20 °C)
Water solubility	: Note: soluble
Partition coefficient: n- octanol/water	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: > 20.5 mm <sup>2</sup> /s at 104 °F (40 °C)
Relative vapor density	: no data available
Evaporation rate	: no data available
Burning rate	: no data available



Volatile organic compounds : 75 g/L (Sikadur® 21Lo-Mod LV/Sikadur® 22 Lo-Mod Part A + Part B)  
(VOC) content

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**10. Stability and reactivity**

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : The product is chemically stable.  
Possibility of hazardous reactions : Stable under recommended storage conditions.  
Conditions to avoid : no data available  
Incompatible materials : no data available

---

**11. Toxicological information****Acute toxicity****Product**

Acute oral toxicity : Harmful if swallowed.  
Acute inhalation toxicity : no data available  
Acute dermal toxicity : no data available

**Ingredients:****Phenol, 4-nonyl, branched :**

Acute dermal toxicity : LD50 Dermal rabbit: 3,160 mg/kg

**2-piperazin-1-ylethylamine :**

Acute oral toxicity : LD50 Oral rabbit: ca. 2,097 mg/kg

Acute dermal toxicity : LD50 Dermal rabbit: ca. 866 mg/kg

**Skin corrosion/irritation****Product**

Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation****Product**

no data available

**Respiratory or skin sensitization****Product**





May cause an allergic skin reaction.

**Germ cell mutagenicity**

Product

Mutagenicity : no data available

**Carcinogenicity**

Product

Carcinogenicity : Suspected of causing cancer.

**IARC**

Group 2B: Possibly carcinogenic to humans

**NTP**

Naphthalene, pure 91-20-3  
Reasonably anticipated to be a human carcinogen  
Naphthalene, pure 91-20-3

**Reproductive Toxicity/Fertility**

Product

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

**Reproductive Toxicity/Development/Teratogenicity**

Product

Teratogenicity : no data available

**STOT-single exposure**

Product

Assessment: no data available

**STOT-repeated exposure**

Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Product

Assessment: no data available

**Aspiration toxicity**

Product

no data available

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**12. Ecological information**

Other information

Do not empty into drains; dispose of this material and its container in a safe way.  
Avoid dispersal of spilled material and runoff and contact



with soil, waterways, drains and sewers.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
May be harmful to the environment if released in large quantities.  
Water polluting material.

**Component:**

2-piperazin-1-ylethylamine 140-31-8

Toxicity to fish:

LC50

Species: Fish

Dose: &gt; 100 mg/l

Exposure time: 96 h

**13. Disposal considerations****Disposal methods**

- Waste from residues : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information****DOT**

UN number 3267  
Description of the goods Corrosive liquid, basic, organic, n.o.s.  
(Phenol, 4-nonyl, branched, Polyoxypropylenediamine)  
Class 8  
Packing group II  
Labels 8  
Emergency Response 153  
Guidebook Number

**IATA**

UN number 3267  
Description of the goods Corrosive liquid, basic, organic, n.o.s.  
(Phenol, 4-nonyl, branched, Polyoxypropylenediamine)  
Class 8  
Packing group II  
Labels 8  
Packing instruction (cargo aircraft) 855  
Packing instruction (passenger aircraft) 851  
Packing instruction (passenger aircraft) Y840

**IMDG**

UN number	3267
Description of the goods	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Phenol, 4-nonyl, branched, Polyoxypropylenediamine)
Class	8
Packing group	II
Labels	8
EmS Number 1	F-A
EmS Number 2	S-B
Marine pollutant	yes

**Special precautions for user**

no data available

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

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**15. Regulatory information**

**TSCA list** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA304 Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:  
Naphthalene, pure 91-20-3 1.20 %

**Clean Air Act**

**Ozone-Depletion Potential** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).



Safety Data Sheet

**Sikadur® 21 Lo-Mod LV Part B**

Revision Date 05/13/2014

Print Date 05/13/2014

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Naphthalene, pure                      91-20-3                      1.20 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**California Prop 65**

WARNING! This product contains a chemical known in the State of California to cause cancer.

**16. Other information**

**HMIS Classification**

	*	3
		1
<b>Physical Hazard</b>		0
<b>Personal Protection</b>		X

**Caution:** HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

**Notes to Reader**

The information contained in this Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this SDS.

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All sales of Sika products are subject to its current terms and conditions of sale available at [www.sikausa.com](http://www.sikausa.com) or 201-933-8800.

Revision Date 05/13/2014

Material number: 107731



## 1. Identification

Product name : Sikadur®-22 Lo-Mod Part B

Supplier : Sika Corporation  
201 Polito Avenue  
Lyndhurst, NJ 07071  
USA  
www.sikausa.com

Telephone : (201) 933-8800

Telefax : (201) 804-1076

E-mail address : ehs@sika-corp.com

Emergency telephone : CHEMTREC: 800-424-9300  
INTERNATIONAL: 703-527-3887

Recommended use of the chemical and restrictions on use : For further information, refer to product data sheet.

## 2. Hazards identification

### GHS Classification

Acute toxicity, Category 4 (Oral)	H302: Harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Reproductive toxicity, Category 2	H361: Suspected of damaging fertility or the unborn child.

### GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.



P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P280 Wear protective gloves/ eye protection/ face protection.  
 P281 Use personal protective equipment as required.

**Response:**

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
 P310 Immediately call a POISON CENTER/doctor.  
 P330 Rinse mouth.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

See Section 11 for more detailed information on health effects and symptoms.

There are no hazards not otherwise classified that have been identified during the classification process.

There are no ingredients with unknown acute toxicity used in a mixture at a concentration  $\geq 1\%$ .

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### 3. Composition/information on ingredients

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (%)
Phenol, 4-nonyl, branched	84852-15-3	$\geq 50 - \leq 100 \%$
Polyoxypropylenediamine	9046-10-0	$\geq 25 - < 50 \%$
2-Methyl-1,5-pentamethylenediamine	15520-10-2	$\geq 5 - < 10 \%$
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	$\geq 5 - < 10 \%$

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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### 4. First aid measures

If inhaled : Move to fresh air.  
 Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.



	Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	: Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: irritant effects sensitizing effects  Gastrointestinal discomfort Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on health effects and symptoms.  Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of damaging fertility or the unborn child.
Protection of first-aiders	: Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.
Notes to physician	: Treat symptomatically.

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**5. Fire-fighting measures**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific extinguishing methods	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.



**6. Accidental release measures**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Deny access to unprotected persons.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

**7. Handling and storage**

- Advice on safe handling : Do not breathe vapors or spray mist.  
Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.
- Materials to avoid : No data available

**8. Exposure controls/personal protection**

Contains no substances with occupational exposure limit values.

- Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal protective equipment**





Respiratory protection	: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
	The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Hand protection Remarks	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hygiene measures	: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

---

## 9. Physical and chemical properties

Appearance	: liquid
Color	: clear yellow
Odor	: amine-like
Odor Threshold	: No data available
Flash point	: > 212 °F (> 100 °C)
Ignition temperature	: No data available
Decomposition temperature	: No data available
Lower explosion limit (Vol%)	: No data available
Upper explosion limit (Vol%)	: No data available
Flammability (solid, gas)	: No data available
Oxidizing properties	: No data available



pH	:	No data available
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Vapor pressure	:	0.22 mmHg (0.29 hpa)
Density	:	0.95 g/cm <sup>3</sup> at 73 °F (23 °C)
Water solubility	:	Note: soluble
Partition coefficient: n- octanol/water	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm <sup>2</sup> /s at 104 °F (40 °C)
Relative vapor density	:	No data available
Evaporation rate	:	No data available
Burning rate	:	No data available
Volatile organic compounds (VOC) content	:	56 g/l A+B Combined

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## 10. Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	No data available

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## 11. Toxicological information

### Acute toxicity

Harmful if swallowed.

### Components:

#### **Phenol, 4-nonyl, branched:**

Acute dermal toxicity : LD50 Dermal (Rabbit): 3,160 mg/kg

#### **2-Methyl-1,5-pentamethyldiamine:**

Acute oral toxicity : LD50 Oral (Rat): 1,170 mg/kg



Acute dermal toxicity : LD50 Dermal (Rabbit): 1,870 mg/kg

**2,4,6-tris(dimethylaminomethyl)phenol:**

Acute oral toxicity : LD50 Oral (Rat): 2,169 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Result: Skin irritation

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

Skin sensitization: May cause an allergic skin reaction.

Respiratory sensitization: Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Reproductive toxicity**

Suspected of damaging fertility or the unborn child.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Aspiration toxicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC** Not applicable

**NTP** Not applicable

---

**12. Ecological information**

Other information Do not empty into drains; dispose of this material and its container in a safe way.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
May be harmful to the environment if released in large quantities.  
Water polluting material.

**Component:**



Polyoxypropylenediamine 9046-10-0

Toxicity to algae:

EC50  
Species: Pseudokirchneriella subcapitata (algae)  
Dose: 15 mg/l  
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates Chronic toxicity:

EC50  
Species: Daphnia magna (Water flea)  
Concentration: 80.00 mg/l  
Exposure time: 48 h

2,4,6-tris(dimethylaminomethyl)phenol 90-72-2

Toxicity to algae:

EC50  
Species: Scenedesmus capricornutum (fresh water algae)  
Dose: > 10 - 100 mg/l  
Exposure time: 72 h

**13. Disposal considerations**

**Disposal methods**

- Waste from residues : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

**DOT** Not regulated

**DOT** 3082  
UN number  
Description of the goods Environmentally hazardous substances, liquid, n.o.s. (Phenol, 4-nonyl, branched)  
9  
Class III  
Packing group 9  
Labels 171  
Emergency Response  
Guidebook Number

**IATA** 3082  
UN number  
Description of the goods Environmentally hazardous substance, liquid, n.o.s. (Phenol, 4-nonyl, branched)  
9  
Class III  
Packing group 9  
Labels 964  
Packing instruction (cargo aircraft) 964  
Packing instruction



(passenger aircraft)  
Packing instruction Y964  
(passenger aircraft)

**IMDG**

UN number 3082  
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(Phenol, 4-nonyl, branched)  
Class 9  
Packing group III  
Labels 9  
EmS Number 1 F-A  
EmS Number 2 S-F  
Marine pollutant yes

DOT & Domestic Aircraft: As per 49 CFR 171.4, Non-bulk materials (<119 Gal) are excepted from being classed as a Marine Pollutant.

IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

**Special precautions for user**

No data available

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

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**15. Regulatory information**

**TSCA list** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA304 Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Chronic Health Hazard  
Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Reproductive toxicity  
Skin corrosion or irritation



**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:  
 Phenol, 4-nonyl, branched 84852-15-3 63.00 %

**Clean Air Act**

**Ozone-Depletion Potential** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**California Prop 65** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**16. Other information**

**HMIS Classification**

<b>Health</b>	*	3
<b>Flammability</b>		1
<b>Physical Hazard</b>		0
<b>Personal Protection</b>		X

**Caution:** HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

**Notes to Reader**

The information contained in this Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this SDS.

SIKA MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT

Safety Data Sheet

**Sikadur®-22 Lo-Mod Part B**



Revision Date 08/15/2018

Print Date 08/15/2018

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BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

All sales of Sika products are subject to its current terms and conditions of sale available at [www.sikausa.com](http://www.sikausa.com) or 201-933-8800.

Revision Date 08/15/2018

Material number: 538494

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 687.01

Revision Date: March 25, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Silicon

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Hazard class: Serious eye damage or irritation (Category 2B). Causes eye irritation (H320).

For silicon powder please see SDS 687.00

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Silicon lump	7440-21-3	Si	28.09	

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If eye irritation persists:** Get medical advice or attention. **If on skin:** Rinse cautiously with water for several minutes.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid. Flammable in powder form.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use class D fire extinguisher or dry sand for extinction.

**NFPA CODE**

None

established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.



**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

Exposure guidelines: (as total dust) PEL 15 mg/m<sup>3</sup> (OSHA)

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Gray powder. Odorless.

Soluble: Soluble in a mixture of nitric and hydrofluoric acid.

Insoluble in water.

Boiling point: 3265 °C

Melting point: 1414 °C

Specific gravity: 2.3296

**SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with strong oxidizing agents.

Shelf life: Indefinite, if stored properly.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: N.A.

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: 3160 mg/kg

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (231-130-8), RCRA code D001.

**SECTION 16 — OTHER INFORMATION**

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 25, 2014

# MATERIAL SAFETY DATA SHEET

1349  
04 00

DATE OF PREPARATION  
Nov 27, 2009

<b>SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION</b>
---

**PRODUCT NUMBER**

1349

**PRODUCT NAME**

Silicone Lube

**MANUFACTURER'S NAME**

THE SHERWIN-WILLIAMS COMPANY

KRYLON Products Group

Cleveland, OH 44115

**Telephone Numbers and Websites**

<b>Product Information</b>	(800) 832-2541
<b>Regulatory Information</b>	(216) 566-2902 www.paintdocs.com
<b>Medical Emergency</b>	(216) 566-2917
<b>Transportation Emergency*</b>	(800) 424-9300
<i>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i>	

<b>SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS</b>
---

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
15	74-98-6	Propane	ACGIH TLV OSHA PEL	760 mm
			2500 PPM 1000 PPM	
24	110-54-3	Hexane	ACGIH TLV OSHA PEL	127 mm
			50 PPM 50 PPM	
11	107-83-5	2-Methylpentane	ACGIH TLV OSHA PEL	211 mm
			Not Available Not Available	
4	96-14-0	3-Methylpentane	ACGIH TLV OSHA PEL	211 mm
			500 PPM Not Available	
3	79-29-8	2,3-Dimethylbutane	ACGIH TLV OSHA PEL	230 mm
			Not Available Not Available	
1	75-83-2	2,2-Dimethylbutane	ACGIH TLV OSHA PEL	317 mm
			Not Available Not Available	
1	110-82-7	Cyclohexane	ACGIH TLV OSHA PEL	100 mm
			100 PPM 300 PPM	
35	67-64-1	Acetone	ACGIH TLV ACGIH TLV OSHA PEL	180 mm
			500 PPM 750 PPM STEL 1000 PPM	

<b>SECTION 3 — HAZARDS IDENTIFICATION</b>
---

**ROUTES OF EXPOSURE**

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

**EFFECTS OF OVEREXPOSURE**

**EYES:** Irritation.  
**SKIN:** Prolonged or repeated exposure may cause irritation.  
**INHALATION:** Irritation of the upper respiratory system.

**HMIS Codes**

<b>Health</b>	2*
<b>Flammability</b>	4
<b>Reactivity</b>	0

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None generally recognized.

**CANCER INFORMATION**

For complete discussion of toxicology data refer to Section 11.

**SECTION 4 — FIRST AID MEASURES**

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

**SECTION 5 — FIRE FIGHTING MEASURES****FLASH POINT**

Propellant < 0 °F

**LEL**

1.0

**UEL**

12.8

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**SECTION 6 — ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

**SECTION 7 — HANDLING AND STORAGE****STORAGE CATEGORY**

Not Available

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

**SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION****PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

**VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**RESPIRATORY PROTECTION**

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

**PROTECTIVE GLOVES**

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

**EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

**OTHER PRECAUTIONS**

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	5.71 lb/gal	684 g/l
SPECIFIC GRAVITY	0.69	
BOILING POINT	<0 - 179 °F	<-18 - 81 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	96%	
EVAPORATION RATE	Faster than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	7.0	

**VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)**  
 Volatile Weight 60.00%      Less Water and Federally Exempt Solvents

## SECTION 10 — STABILITY AND REACTIVITY

**STABILITY** — Stable

**CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

## SECTION 11 — TOXICOLOGICAL INFORMATION

**CHRONIC HEALTH HAZARDS**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Prolonged and repeated exposure to Hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. This effect may be increased by the presence of Methyl Ethyl Ketone.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**TOXICOLOGY DATA**

CAS No.	Ingredient Name			
74-98-6	Propane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
110-54-3	Hexane	LC50 RAT	4HR	Not Available
		LD50 RAT		28700 mg/kg
107-83-5	2-Methylpentane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
96-14-0	3-Methylpentane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
79-29-8	2,3-Dimethylbutane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
75-83-2	2,2-Dimethylbutane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
110-82-7	Cyclohexane	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
67-64-1	Acetone	LC50 RAT	4HR	Not Available
		LD50 RAT		5800 mg/kg

## SECTION 12 — ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION**

No data available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## SECTION 14 — TRANSPORT INFORMATION

### US Ground (DOT)

May be classed as Consumer Commodity, ORM-D

UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

### Canada (TDG)

May be classed as Consumer Commodity, ORM-D

UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

### IMO

May be shipped as Limited Quantity

UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, Ems F-D, S-U

## SECTION 15 — REGULATORY INFORMATION

### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
110-54-3	Hexane	24	
110-82-7	Cyclohexane	1	

### CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 691.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

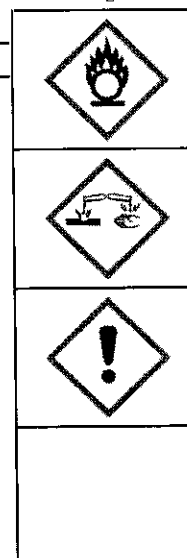
#### Silver Nitrate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Oxidizing solids (Category 2). May intensify fire; oxidizer (H272). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Silver nitrate	7761-88-8	AgNO <sub>3</sub>	169.87	

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If on skin:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331). Call a physician or poison control IMMEDIATELY.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid. Oxidizer.

When heated to decomposition, may emit toxic fumes. Reacts with NH<sub>3</sub> to form shock sensitive compounds

**In case of fire: Flood with water.** Do NOT use a tri-class dry chemical, carbon dioxide or halon fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Do not allow solid to become airborne. Ventilate area and wipe up with wet toweling. Place in sealed bag or container and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #3. Store with amides, nitrates, nitrites and azides.  
Light sensitive. Store in a Flinn Chem-Saf™ bag, and lock up in a poison cabinet.  
Keep away from combustible materials (P220). Take any precautions to avoid mixing with combustibles (P221).

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).  
Exposure guidelines: PEL/TLV 0.01 mg/m<sup>3</sup> (OSHA, ACGIH)

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Colorless, transparent, rhombic crystals; turns color on exposure to light in presence of organic materials. Faint nitric acid odor.	Boiling point: 440 °C (decomposes)
Soluble: Water and hot alcohol	Melting point: 210 °C
	pH: 6
	Specific gravity: 4.35

**SECTION 10 — STABILITY AND REACTIVITY**

Oxidizer. Avoid contact with strong reducers, ammonia, strong bases, alcohols, magnesium.  
Shelf life: Indefinite, but light sensitive.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Diarrhea, cyanosis	ORL-RAT LD <sub>50</sub> : 1173 mg/kg
Chronic effects: Argyrosis	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: N.A.	SKN-RBT LD <sub>50</sub> : N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Toxic to aquatic species.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #11 is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Silver nitrate. Hazard class: 5.1, Oxidizer. UN number: UN1493.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (231-853-9), RCRA code D001, D011.

**SECTION 16 — OTHER INFORMATION**

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 21, 2014

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 692.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Silver Nitrate Solution 0.2M or Less

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Silver nitrate	7761-88-8	AgNO <sub>3</sub>	169.87	5% or less
Water	7732-18-5	H <sub>2</sub> O	18.00	98%+

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Call a physician or poison control IMMEDIATELY.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

**In case of fire: Flood with water.** Do NOT use a tri-class dry chemical, carbon dioxide or halon fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. Absorb spills to prevent material damage (P390). See Sections 8 and 13 for further information.



---

**SECTION 7 — HANDLING AND STORAGE**

---

Flinn Suggested Chemical Storage Pattern: Inorganic #3. Store with amides, nitrates, nitrites and azides.  
Light sensitive. Store in a Flinn Chem-Saf™ bag.

---

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

---

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).  
Exposure guidelines: (as silver nitrate) PEL/TLV 0.01 mg/m<sup>3</sup> (OSHA, ACGIH)

---

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

---

Colorless liquid. Odorless.

---

**SECTION 10 — STABILITY AND REACTIVITY**

---

Shelf life: Indefinite, but light sensitive. See Section 7 for further information.

---

**SECTION 11 — TOXICOLOGICAL INFORMATION**

---

Acute effects: Diarrhea, cyanosis

ORL-RAT LD<sub>50</sub>: 1173 mg/kg as silver nitrate

Chronic effects: Argyrosis

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

---

**SECTION 12 — ECOLOGICAL INFORMATION**

---

Toxic to aquatic species.

---

**SECTION 13 — DISPOSAL CONSIDERATIONS**

---

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #11 is one option.

---

**SECTION 14 — TRANSPORT INFORMATION**

---

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

---

**SECTION 15 — REGULATORY INFORMATION**

---

Not listed.

---

**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.**

**Revision Date:** March 21, 2014

**Section 1: IDENTIFICATION**

Product Name: Simple Green® All-Purpose Cleaner  
 Additional Names: Simple Green® Industrial Cleaner & Degreaser

Manufacturer's Part Number: *\*Please refer to Section 16*

Recommended Use: Cleaner/Degreaser that can be used full strength or diluted on any rinseable surface.

Company: Sunshine Makers, Inc.  
 15922 Pacific Coast Highway  
 Huntington Beach, CA 92649 USA

Telephone: 800-228-0709 • 562-795-6000 *Monday – Friday, 8am – 5pm PST*

Fax: 562-592-3830

Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

**Section 2: HAZARDS IDENTIFICATION**

**GHS Hazards classification:** Not classifiable as hazardous.      **Hazard Statements:** Not applicable.  
**Signal Word:** Not applicable      **Precautionary Statements:** Not applicable.  
**Pictograms:** Not applicable

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 84%
Ethoxylated Alcohol	68439-46-3	≤ 5%
Sodium Citrate	68-04-2	≤ 5%
Tetrasodium <i>N,N</i> -bis(carboxymethyl)-L-glutamate	51981-21-6	≤ 1%
Sodium Carbonate	497-19-8	≤ 1%
Citric Acid	77-92-9	≤ 1%
Isothiazolinone mixture	55965-84-9	≤ 1%
Fragrance	Proprietary Mixture	≤ 1%
Colorant	Proprietary Mixture	≤ 1%

**Section 4: FIRST-AID MEASURES**

**If Inhaled:** Not expected to cause respiratory inhalation. If adverse effect occurs, move to fresh air.  
**If on skin:** Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.  
**If in eyes:** Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.  
**If ingested:** May cause upset stomach. Drink plenty of water to dilute. See section 11.

**Section 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use Dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam. Avoid high volume jet water.  
**Specific hazards arising from chemical:** In event of fire, fire created carbon oxides may be formed.  
**Special Protective actions for fire-fighters:** Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

See section 16 for NFPA rating.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** *For non-emergency and emergency personnel:* See section 8 – personal protection. Protective gloves and safety goggles not necessary, but suggested.

**Environmental Precautions:** Do not allow into open waterways and ground water systems.

**Methods and materials for containment and clean up:** Dike or soak up with inert absorbent material. See section 13 for disposal considerations.

**Section 7: HANDLING AND STORAGE**

**Precautions for safe handling:** Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

**Storage:** Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 109°F (42.7°C). If separation occurs, mix the product for reconstitution.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limit Values:** No components listed with TWA or STEL values under OSHA or ACGIH.

**Appropriate Engineering Controls:** Not applicable.

**Individual Protection Measures / Personal Protective Equipment (PPE)**

**Eye Contact:** Use protective glasses or safety goggles if splashing or spray-back is likely.

**Respiratory:** Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.

**Skin Contact:** Use protective gloves (any material) when used for prolong periods or dermally sensitive.

**General Hygiene Considerations:** Wash thoroughly after handling and before eating or drinking.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Green Liquid      **Odor:** Added sassafras (sweet herbal) odor  
**Odor Threshold:** Not determined

<b>Boiling Point</b> ASTM D-1120:	101°C (213.8°F)	<b>Flash Point</b> ASTM D-93:	> 212°F
<b>Freezing Point</b> ASTM D-1177:	0 - 3.33°C (32 - 38°F)	<b>Flammability:</b>	Non-flammable
<b>Specific Gravity</b> ASTM D-891:	1.01 – 1.03	<b>Autoignition Temperature:</b>	Not applicable
<b>Evaporation Rate</b> ASTM D-1901:	½ Butyl Acetate @ 25°C	<b>Decomposition Temperature:</b>	Not determined
<b>Vapor Pressure</b> ASTM D-323:	0.60 PSI @77°F, 2.05 PSI @100°F	<b>Density</b> ASTM D-4017:	8.552 lb/gal
<b>Vapor Density:</b>	Not determined	<b>Water Solubility:</b>	100%
<b>pH</b> ASTM D-1293:	9.0 ± 0.5	<b>Partial Coefficient:</b>	Not available
<b>VOCs:</b> SCAQMD 304-91 / EPA 24:	0 g/L    0 lb/gal	0 %	
CARB Method 310**:	2.5 g/L    0.021 lb/gal	0.25%	**Water & fragrance exemption in calculation
SCAQMD Method 313:	Not tested		
<b>VOC composite Partial Pressure:</b>	Not determined		
<b>Nutrient Content:</b>	Phosphorous: 0.0%		

**Section 10: STABILITY AND REACTIVITY**

**Reactivity:** Non-reactive.

**Chemical stability:** Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).

**Section 10: STABILITY AND REACTIVITY - continued**

**Possibility of hazardous reactions:** None known.

**Conditions to Avoid:** Excessive heat or cold.

**Incompatible Materials:** Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.

**Hazardous Decomposition Products:** Normal products of combustion - CO, CO<sub>2</sub>.

**Section 11: TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** Oral LD<sub>50</sub> (rat) > 5 g/kg body weight

Dermal LD<sub>50</sub> (rabbit) > 5 g/kg body weight

*Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals*

**Skin corrosion/irritation:** Non-irritant per Dermal Irritation<sup>®</sup> assay modeling. *No animal testing performed.*

**Eye damage/irritation:** Minimal irritant per Ocular Irritation<sup>®</sup> assay modeling. *No animal testing performed.*

**Germ Cell Mutagenicity:** No ingredients trigger or classify under this category.

**Carcinogenicity:** No ingredients trigger or classify under this category.

**Reproductive toxicity:** No ingredients trigger or classify under this category.

**STOT-Single Exposure:** No ingredients trigger or classify under this category.

**STOT-repeated exposure:** No ingredients trigger or classify under this category.

**Aspiration hazard:** No ingredients trigger or classify under this category.

**Likely routes of exposure:** Inhalation - Overexposure may cause headache.

Skin contact - Not expected to cause irritation.

Eye contact - May cause minimal eye irritation.

Ingestion - May cause upset stomach.

*Symptoms related to the physical, chemical and toxicological characteristics:* no symptoms expected under typical use conditions.

*Delayed and immediate effects and or chronic effects from short term exposure:* no symptoms expected under typical use conditions.

*Delayed and immediate effects and or chronic effects from long term exposure:* headache, dry skin, or skin irritation may occur.

*Interactive effects:* Not known.

**Section 12: ECOLOGICAL INFORMATION**

**Toxicity:** Aquatic Toxicity - Low, based on OECD 201, 202, 203 + Microtox: EC<sub>50</sub> & IC<sub>50</sub> ≥100 mg/L. Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.

**Persistence and degradability:** Readily Biodegradable per OECD 301D, Closed Bottle Test.

**Mobility:** No data available.

**Bioaccumulation:** Not applicable.

**Section 13: DISPOSAL CONSIDERATIONS**

**Unused or Used liquid:** May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

**Empty Containers:** May be offered for recycling.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

**Section 14: TRANSPORT INFORMATION**

U.S. (DOT) / Canadian TDG: Not Regulated for shipping. ICAO/ IATA: Not classified as Hazardous  
 IMO / IDMG: Not classified as Hazardous ADR/RID: Not classified as Hazardous  
 U.N. Number: Not applicable Proper Shipping Name: Cleaning Compound, Liquid NOI  
 Hazard Class: Non-Hazardous NMFC#48580-3  
 Marine Pollutant: No Class 55

**Section 15: REGULATORY INFORMATION**

All components are listed on: TSCA and DSL Inventory.

SARA Title III: Sections 311/312 – Not applicable.  
 Sections 313 – Not applicable.  
 Sections 302 – Not applicable.

State Right To Know Lists No ingredients listed.

CA Prop 65: None listed.

**Texas ESL:**

Ethoxylated Alcohol	68439-46-3	60 µg/m3 long term	600 µg/m3 short term
Sodium Citrate	68-04-2	5 µg/m3 long term	50 µg/m3 short term
Sodium Carbonate	497-19-8	5 µg/m3 long term	50 µg/m3 short term
Citric Acid	77-92-9	10 µg/m3 long term	100 µg/m3 short term

WHMIS Classification – Non Hazardous, not classifiable.

Name	Toxic Substances List – Schedule 1 – CEPA	NPRI Inventory
NA	No	No

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by Canada's Controlled Products Regulation.

**Section 16: OTHER INFORMATION**

PART NUMBER:	SIZE:
2710001213022	22 oz. Trigger Spray 12/case
2710001213012	24 oz. Trigger Spray 12/case
2710001213033	32 oz. Trigger Spray 12/case
2710200613005	1-gallon Bottle 6/case
2740116800128	1-gallon Bottle
2710000213225	2.5-gallon Bottle 2/case
2700000113006	5-gallon Pail each
2700000113008	55-gallon Drum each

**BATCH CODING:**

Containers of this formula will be batch coded as follows:  
 Example: AT3001002, GG3001002 where...  
 AT & GG are codes for production facilities,  
 "3" is the last digit of the year product was produced,  
 "001" is the Julian date product was produced, and  
 "002" is the batch number for that product in that year.

2700000113275	275-gallon Tote each
2710001213013	24 oz. Trigger Spray 12/case

USA part numbers listed only. Not all part numbers listed. USA part numbers may not be valid for international sale.

**NFPA:**

Health – non irritating Stability – Stable  
 Flammability – non-flammable Special - None



Prepared / Revised By: Sunshine Makers, Inc., Regulatory Department.  
 This SDS has been revised in the following sections: OSHA HCS 2012 / GHS format update.

DISCLAIMER: The information provided with this MSDS is furnished in good faith and without warranty of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. Sunshine Makers, Inc. assumes no additional liability or responsibility resulting from the use of, or reliance on this information.



## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

**Product Name:** SimpleFix® Pre-mixed Adhesive & Grout

**Product Code:** Not Available

#### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:** Adhesive & Grout

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

**Name/Address:** Custom Building Products  
3490 Piedmont Road, Suite 1300  
Atlanta, GA 30329

**Telephone Number:** (562)-598-8808

#### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** INFOTRAC 1-800-535-5053 (US and Canada)  
INTERNATIONAL + 1-352-323-3500

### Section 2: HAZARD(S) IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR

1910.1200 (OSHA HAZCOM2012)

Skin Irritation	Category 2
Eye Irritation	Category 2
STOT-SE	Category 3
STOT-RE	Category 1
Carcinogenicity	Category 1A

#### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

**2.2a SIGNAL WORD:**  
DANGER!

**2.2b HAZARD STATEMENTS**  
Causes skin irritation  
Causes eye irritation  
May cause respiratory irritation  
Causes damage to organs through prolonged or repeated exposure  
May cause cancer



## SAFETY DATA SHEET

### 2.2c HAZARD PICTOGRAMS



### 2.2d PRECAUTIONARY STATEMENTS

<b>i. PREVENTION</b>	Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/ vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.
<b>ii. RESPONSE</b>	If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If exposed or concerned: get medical advice/attention
<b>iii. STORAGE</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>iv. DISPOSAL</b>	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

### 2.3 ADDITIONAL INFORMATION

#### 2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not applicable

#### 2.3b UNKNOWN ACUTE TOXICITY

81% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### 2.3c WHMIS CLASSIFICATION

Class D2B – Skin/Eye Irritant  
Class D2A – Chronic Toxic Effects  
Class D2A - Carcinogenicity  
Class E – Corrosive Material

#### 2.3d LABEL ELEMENTS ACCORDING TO WHMIS

##### i. WHMIS HAZARD SYMBOLS





## SAFETY DATA SHEET

- ii. **SIGNAL WORD**  
DANGER!

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 MIXTURES

Crystalline Silica, Quartz	14808-60-7	30 – 60%*
Calcium Carbonate	1317-65-3	10 – 30%*
Ethylene Glycol	107-21-1	0.5 – 1.5%*
Titanium Dioxide	13463-67-7	0.5 – 1.5%*
Diethylene Glycol Monobutyl Ether	112-34-5	0.5 – 1.5%*
Nonylphenol Polyethoxylate	9016-45-9	0.1 – 1%*

\*Means that the component will fall into one the ranges specified due to batch-to-batch variability.

### Section 4: FIRST-AID MEASURES

#### 4.1 DESCRIPTION OF THE FIRST-AID MEASURES

<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
<b>Skin Contact:</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
<b>Inhalation:</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

#### 4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

<b>Eye Contact:</b>	Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
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<b>Skin Contact:</b>	Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis.
<b>Inhalation:</b>	May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.
<b>Ingestion:</b>	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not applicable

## Section 5: FIRE-FIGHTING MEASURES

### 5.1 FLAMMABILITY

**Flammability:** Not Flammable by WHMIS/OSHA HAZCOM2012 Criteria

### 5.2 EXTINGUISHING MEDIA

**5.2a. Suitable Extinguishing Media:**  
Treat for surrounding material.

**5.2b. Unsuitable Extinguishing Media:**  
Not available.

### 5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

**5.3a. Products of Combustion:**  
May include, and are not limited to: oxides of carbon

#### 5.3b. Explosion Data

- i. **Sensitivity to Mechanical Impact:**  
Not available.
- ii. **Sensitivity to Static Discharge:**  
Not available.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES



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Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

**Methods for Containment:** Recover all usable material. Pick up large pieces, and then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Vacuum or sweep material and place in a disposal container. Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

## Section 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling:** Use in well-ventilated areas. Wear chemical resistant gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe fumes. Do not take internally. Good housekeeping is important to prevent accumulation of dust.

**General Hygiene Advice:** Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Keep dry until use.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETER

#### Exposure Guidelines

Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Crystalline Silica, Quartz	10 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>
Calcium Carbonate	5 mg/m <sup>3</sup> (Resp.)	10 mg/m <sup>3</sup>



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	15 mg/m <sup>3</sup> (Total)	
Ethylene Glycol	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>
Titanium Dioxide	Not available	10 mg/m <sup>3</sup>
Diethylene Glycol Monobutyl Ether	Not available	Not available
Nonylphenol Polyethoxylate	Not available	Not available

### 8.2 EXPOSURE CONTROLS

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### 8.3 INDIVIDUAL PROTECTION MEASURES

#### 8.3a. Personal Protective Equipment:

- i. **Eye/Face Protection:** Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]
- ii. **Skin Protection:**
  1. **Hand Protection:** Wear chemical resistant gloves.
  2. **Body Protection:** Wear suitable protective clothing
- iii. **Respiratory Protection:** A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
- iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.):</b>	Paste-like compound
<b>Odor:</b>	White or Gray
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	8 – 10 when wet
<b>Melting point/Freezing point:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	Not available
<b>Evaporation rate (Water=1):</b>	Not available
<b>Flammability:</b>	Not flammable
<b>Upper Flammability/Explosive Limit:</b>	Not available
<b>Lower Flammability/Explosive Limit:</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density:</b>	Not available



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Relative Density:	1 – 2 g/cc
Solubility in Water:	Miscible
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition Temperature:	Not available
Viscosity (cps):	Not available
VOC Content:	85 g/L

### Section 10: STABILITY AND REACTIVITY

#### 10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

#### 10.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

#### 10.3. POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

#### 10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

#### 10.5. INCOMPATIBLE MATERIALS

Strong acids. Strong Oxidizers.

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield oxides of carbon.

### Section 11: TOXICOLOGICAL INFORMATION

#### 11.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, eye contact, inhalation, and ingestion.

#### 11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

**Eye Contact:** Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin Contact:** Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis.

**Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains



## SAFETY DATA SHEET

crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.

**Ingestion:** May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

Chemical Name	LC50	LD50
Crystalline Silica, Quartz	Not Available	Not Available
Calcium Carbonate	Not Available	Oral: 6450 mg/kg, rat
Ethylene Glycol	Inhalation: 3.95 mg/L, Rat	Oral: 13000 mg/kg Dermal: 22270 mg/kg
Titanium Dioxide	Inhalation: 6.82 mg/L, Rat	Oral: 5000 mg/kg
Diethylene Glycol Monobutyl Ether	Not Available	Oral: 6560 mg/kg Dermal: 2700 mg/kg
Nonylphenol Polyethoxylate	Not Available	Oral: 2780 mg/kg

Calculated overall chemical acute toxicity values	
LD50 (oral)	LD50 (dermal)
6834 mg/kg	7160 mg/kg

Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)
Crystalline Silica, Quartz	N-A2, I-1, O-1, ACGIH-A2, CP65
Calcium Carbonate	Not Listed
Ethylene Glycol	Not Listed
Titanium Dioxide	N-A2, I-2B, O-1, ACGIH-A4, CP65
Diethylene Glycol Monobutyl Ether	Not Listed
Nonylphenol Polyethoxylate	Not Listed

### 11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

<b>Skin Corrosion/Irritation:</b>	Causes skin irritation
<b>Serious Eye Damage/Irritation:</b>	Causes eye irritation
<b>Respiratory Sensitization:</b>	Not available
<b>Skin Sensitization:</b>	Not available
<b>STOT-Single Exposure:</b>	May cause respiratory irritation
<b>Aspiration Hazard:</b>	Not available
<b>Carcinogenicity:</b>	May cause cancer
<b>Germ Cell Mutagenicity:</b>	Not available



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Reproductive Toxicity:	Not available
STOT-Repeated Exposure:	Causes damage to organs through prolonged or repeated exposure
Synergistic/Antagonistic Effects:	Not available

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity		
Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Crystalline Silica, Quartz	Not available	Not available
Calcium Carbonate	Not available	Not available
Ethylene Glycol	Not available	Not available
Titanium Dioxide	>100 mg/L Daphnia Maga	72860 mg/L Fresh water Fish
Diethylene Glycol Monobutyl Ether	Not available	Not available
Nonylphenol Polyethoxylate	13-16 mg/L Water flea	4.12-5.35 mg/L rainbow trout

#### 12.2. PERSISTENCE AND DEGRADABILITY

Not available

#### 12.3. BIOACCUMULATIVE POTENTIAL

Not available

#### 12.4. MOBILITY IN SOIL

Not available

#### 12.5. OTHER ADVERSE EFFECTS

Not available

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

#### 13.2. OTHER DISPOSAL CONSIDERATIONS

Not available



# SAFETY DATA SHEET

## Section 14: TRANSPORT INFORMATION

<b>UN NUMBER:</b> Not regulated	<b>UN NUMBER:</b> Not regulated
<b>UN PROPER SHIPPING NAME:</b> Not regulated	<b>UN PROPER SHIPPING NAME:</b> Not regulated
<b>TRANSPORT HAZARD CLASS (ES):</b> Not regulated	<b>TRANSPORT HAZARD CLASS (ES):</b> Not regulated
<b>PACKING GROUP (if applicable):</b> Not regulated	<b>PACKING GROUP (if applicable):</b> Not regulated

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

### 14.1. ENVIRONMENTAL HAZARDS

Not available

### 14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not available

### 14.3. SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

## Section 15: REGULATORY INFORMATION

### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

**Canada:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**US:** SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

### 15.2. US FEDERAL INFORMATION:

SARA TITLE III				
Chemical Name	Section 302 EHS TPQ (lbs)	Section 304 EHS RQ (lbs)	CERCLA RQ (lbs.)	Section 313
Crystalline Silica, Quartz	Not listed	Not listed	Not listed	Not listed
Calcium Carbonate	Not listed	Not listed	Not listed	Not listed
Ethylene Glycol	Not listed	Not listed	5000	Listed



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Titanium Dioxide	Not listed	Not listed	Not listed	Not listed
Diethylene Glycol Monobutyl Ether	Not listed	Not listed	Not listed	Not listed
Sodium Hydroxide	Not listed	Not listed	Not listed	Not listed
Nonylphenol Polyethoxylate	Not listed	Not listed	Not listed	Not listed

### 15.3. US STATE RIGHT TO KNOW LAWS:

<b>California Proposition 65:</b>	<b>WARNING!</b> This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm
<b>Other U.S. States "Right to Know" Lists:</b>	
<b>New Jersey:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Titanium Dioxide <b>CAS#13463-67-7</b> Diethylene Glycol Monobutyl Ether <b>CAS#112-34-5</b> Nonylphenol Polyethoxylate <b>CAS#9016-45-9</b>
<b>Pennsylvania:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Titanium Dioxide <b>CAS#13463-67-7</b> Diethylene Glycol Monobutyl Ether <b>CAS#112-34-5</b> Nonylphenol Polyethoxylate <b>CAS#9016-45-9</b>
<b>Massachusetts:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Titanium Dioxide <b>CAS#13463-67-7</b> Diethylene Glycol Monobutyl Ether <b>CAS#112-34-5</b> Nonylphenol Polyethoxylate <b>CAS#9016-45-9</b>
<b>Minnesota:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Titanium Dioxide <b>CAS#13463-67-7</b> Diethylene Glycol Monobutyl Ether <b>CAS#112-34-5</b> Nonylphenol Polyethoxylate <b>CAS#9016-45-9</b>
<b>Florida:</b>	Not Available
<b>Michigan:</b>	Not Available

### 15.4. GLOBAL INVENTORIES

Crystalline Silica, Quartz	Yes	DSL
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Conforms to OSHA HazCom 2012 Standard and WHMIS

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## SAFETY DATA SHEET

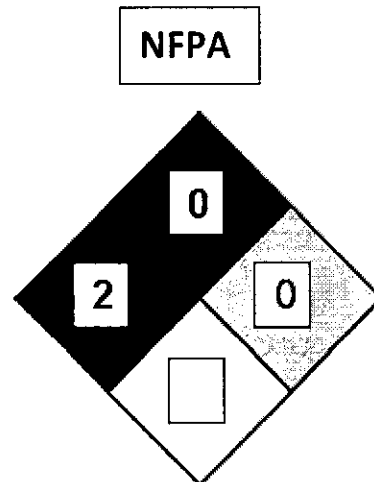
Calcium Carbonate	Yes	DSL
Ethylene Glycol	Yes	DSL
Titanium Dioxide	Yes	DSL
Diethylene Glycol Monobutyl Ether	Yes	DSL
Nonylphenol Polyethoxylate	Yes	DSL



# SAFETY DATA SHEET

## 15.5. NFPA AND HMIS RATINGS:

<p align="center"><b>HEALTH HAZARD</b></p> <p><b>4</b> EXTREME - High toxic. May require medical attention.</p> <p><b>3</b> SERIOUS - Toxic. First aid instructions and protective equipment should be worn.</p> <p><b>2</b> MODERATE - Irritating, corrosive or harmful to health.</p> <p><b>1</b> SLIGHT - Slightly irritating to health.</p> <p><b>0</b> MINIMAL - No significant hazard.</p>	<p align="center"><b>FLAMMABILITY HAZARD</b></p> <p><b>4</b> EXTREME - Extremely flammable liquid or gas. Flash Point below 75°F.</p> <p><b>3</b> SERIOUS - Flammable. Flash Point 75°F to 100°F.</p> <p><b>2</b> MODERATE - Flammable. Requires moderate warning labels. Flash Point 100°F.</p> <p><b>1</b> SLIGHT - Slightly combustible. Requires strong warning labels.</p> <p><b>0</b> MINIMAL - Will not burn under normal conditions.</p>
<p align="center"><b>SPECIFIC HAZARD</b></p> <p>OXIDIZER OXY</p> <p>ACID ACID</p> <p>ALKALI ALK</p> <p>CORROSIVE COR</p> <p>Use NO WATER W</p> <p>RADIATION ☒</p>	<p align="center"><b>INSTABILITY HAZARD</b></p> <p><b>4</b> EXTREME - Explosive at room temperature.</p> <p><b>3</b> SERIOUS - May detonate if shocked or heated under confinement or mixed with water.</p> <p><b>2</b> MODERATE - Unstable. May react with water.</p> <p><b>1</b> SLIGHT - May react if heated or mixed with water.</p> <p><b>0</b> MINIMAL - Normally stable. Does not react with water.</p>



Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard

**HMIS**

<b>2</b> HEALTH	<b>PROTECTIVE EQUIPMENT INDEX</b>	
<b>0</b> FLAMMABILITY	A	G
<b>0</b> REACTIVITY	B	H
<b>0</b> PERSONAL PROTECTION	C	I
B	D	J
	E	K
	F	X  Ask your supervisor for special handling instructions.



## SAFETY DATA SHEET

### 15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<b>CP65</b>	California Proposition 65
<b>OSHA (O)</b>	Occupational Safety and Health Administration
<b>ACGIH (G)</b>	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"><li>• A1 – Confirmed human carcinogen</li><li>• A2 – Suspected human carcinogen</li><li>• A3 – Animal carcinogen</li><li>• A4 – Not classifiable as a human carcinogen</li><li>• A5 – Not suspected a human carcinogen</li></ul>
<b>IARC (I)</b>	International Agency for Research on Cancer <ul style="list-style-type: none"><li>• 1 – The agent (mixture) is carcinogenic to humans</li><li>• 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.</li><li>• 2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.</li><li>• 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.</li><li>• 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.</li></ul>
<b>NTP (N)</b>	National Toxicology Program <ul style="list-style-type: none"><li>• 1 – Known to be carcinogens</li><li>• 2 – Reasonably anticipated to be carcinogens</li></ul>

### Section 16: OTHER INFORMATION

**Date of Preparation:** January 20, 2015

**Version:** 1.0

**Revision Date:** N/A

**Disclaimer:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

**Prepared by:** Custom Building Products  
Phone: (562)-968-2980  
[www.custombuildingproducts.com](http://www.custombuildingproducts.com)

**End of Safety Data Sheet**



# SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

**Product Name:** SimpleGrout Premixed Grout  
**Product Code:** F2120

### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Use:** Grout.

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Name/Address:** Custom Building Products  
13001 Seal Beach Blvd  
Seal Beach, CA  
90740

**Telephone Number:** (562) 598-8808

### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** INFOTRAC 1-800-535-5053 (US and Canada)  
INTERNATIONAL + 1-352-323-3500

## Section 2: HAZARD(S) IDENTIFICATION

### 2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

#### Hazard class

Carcinogenicity 1A  
Specific target organ toxicity - Repeated Exposure 1

### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

#### Hazard Pictogram:



**Signal Word:** Danger

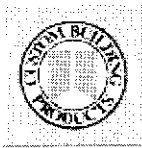
**Hazard Statement:** May cause cancer. Causes damage to lungs through prolonged or repeated exposure.

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fumes/vapors. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response:** If exposed or concerned: Get medical advice/attention.

**Storage:** Store locked up.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.



# SAFETY DATA SHEET

## 2.3 ADDITIONAL INFORMATION

**Hazards not otherwise classified:** Not applicable.

25 % of the mixture consists of ingredient(s) of unknown acute toxicity.

**WHMIS Classification(s):**

- Class D2A - Carcinogenicity
- Class D2A - Teratogenicity and embryotoxicity
- Class D2A - Chronic Toxic Effects
- Class D2B - Skin/Eye Irritant

**WHMIS Hazard Symbols:**



**WHMIS Signal Word:** CAUTION

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURES

Ingredient	CAS No	Wt. %
Silica, crystalline, quartz	14808-60-7	60 - 100
Diethylene glycol monobutyl ether	112-34-5	0.5 - 1.5
Ethylene glycol	107-21-1	0.5 - 1.5
Titanium dioxide	13463-67-7	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## Section 4: FIRST- AID MEASURES

### 4.1 DESCRIPTION OF THE FIRST AID MEASURE

- Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- Skin:** In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.



## SAFETY DATA SHEET

- Skin:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Inhalation:** May cause respiratory tract irritation. Causes damage to lungs through prolonged or repeated exposure.
- Ingestion:** May cause stomach distress, nausea or vomiting.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

---

### Section 5: FIRE-FIGHTING MEASURES

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#### 5.1 FLAMMABILITY

- Flammability:** Not flammable by WHMIS/OSHA criteria.

#### 5.2 EXTINGUISHING MEDIA

- Suitable Extinguishing Media:** Treat for surrounding material.
- Unsuitable Extinguishing Media:** Not available.

#### 5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

- Products of Combustion:** May include, and are not limited to: oxides of carbon.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

#### 5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

---

### Section 6: ACCIDENTAL RELEASE MEASURES

---

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

- Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for Cleaning-Up:** Scoop up material and place in a disposal container.

---

### Section 7: HANDLING AND STORAGE

---

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

- Handling:** Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not breathe fumes/vapors. (See section 8)



# SAFETY DATA SHEET

**General Hygiene Advice:** Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

## 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Keep out of the reach of children. Keep container tightly closed. Store in a well-ventilated place. (See section 10)

---

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### 8.1 CONTROL PARAMETERS

#### Exposure Guidelines

Occupational Exposure Limits		
Ingredient	OSHA-PEL	ACGIH-TLV
Silica, crystalline, quartz	((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) (resp)) ((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) (total)) ((250)/(%SiO <sub>2</sub> +5) mppcf (resp))	0.025 mg/m <sup>3</sup>
Diethylene glycol monobutyl ether	Not available.	10 ppm (inhalable fraction and vapour)
Ethylene glycol	50 ppm	50 ppm
Titanium dioxide	15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup>

### 8.2 EXPOSURE CONTROLS

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### 8.3 INDIVIDUAL PROTECTIVE MEASURES

#### Personal Protective Equipment:

**Eye/Face Protection:** Safety glasses or goggles are recommended when using product.

#### Skin Protection:

**Hand Protection:** Wear chemical-resistant gloves.

**Body Protection:** Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**General Health and Safety Measures:** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Wash contaminated clothing before reusing.

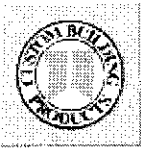
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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Paste-like compound.  
**Color:** Various.  
**Odor:** Mildly acrylic.  
**Odor Threshold:** Not available.



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<b>Physical State:</b>	Liquid.
<b>pH:</b>	8.5-9.0
<b>Melting Point/Freezing Point:</b>	- 0°C (~ 32°F)
<b>Initial Boiling Point and Boiling Range:</b>	Not available.
<b>Flash Point:</b>	>115°C (>239°F)
<b>Evaporation Rate:</b>	Not available.
<b>Flammability:</b>	Not flammable.
<b>Lower Flammability/Explosive Limit:</b>	Not available.
<b>Upper Flammability/Explosive Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Relative Density/Specific Gravity:</b>	15.0 – 16.5 lbs/gal
<b>Solubility:</b>	Miscible.
<b>Partition coefficient: n-octanol/water:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Decomposition Temperature:</b>	Not available.
<b>Viscosity:</b>	450K – 650K (E@5rpm) (cps)
<b>Oxidizing Properties:</b>	Not available.
<b>Explosive Properties:</b>	Not available.
<b>VOC content, g/L:</b>	41 g/L (0.1% - CARB)

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### Section 10: STABILITY AND REACTIVITY

---

#### 10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

#### 10.2 CHEMICAL STABILITY

Stable under normal storage conditions.

#### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

#### 10.4 CONDITIONS TO AVOID

Heat. Incompatible materials.

#### 10.5 INCOMPATIBLE MATERIALS

None known.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon.





# SAFETY DATA SHEET

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

**Symptoms related to physical/chemical/toxicological characteristics:**

**Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

**Ingestion:** May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation. Causes damage to lungs through prolonged or repeated exposure.

**Acute Toxicity:**

Ingredient	LC50	LD50
Silica, crystalline, quartz	Not available.	Oral 120 g/kg, rat (TD <sub>10</sub> )
Diethylene glycol monobutyl ether	Not available.	Oral 3384 mg/kg, rat; Dermal 2700 mg/kg, rabbit
Ethylene glycol	Inhalation > 2.5 mg/L 6h, rat	Oral 4000 mg/kg, rat; Dermal 9530 µL/kg, rabbit
Titanium dioxide	Not available.	Oral >10000 mg/kg, rat Dermal >10000mg/kg, rabbit

#### Calculated overall Chemical Acute Toxicity Values

LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
>20 mg/L 4h, rat	>2000 mg/kg, rat	>2000 mg/kg, rabbit

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Silica, crystalline, quartz	G-A2, I-1, N-1, O, CP65
Diethylene glycol monobutyl ether	Not listed.
Ethylene glycol	G-A4
Titanium dioxide	G-A4, I-2B, O, CP65

### 11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

**Skin Corrosion/Irritation:** May cause skin irritation.

**Serious Eye Damage/Irritation:** May cause eye irritation.

**Respiratory Sensitization:** Based on available data, the classification criteria are not met.

**Skin Sensitization:** Based on available data, the classification criteria are not met.

**STOT-Single Exposure:** Based on available data, the classification criteria are not met.

**Chronic Health Effects:**

**Carcinogenicity:** May cause cancer.

**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.



# SAFETY DATA SHEET

## Reproductive Toxicity:

**Developmental:** Based on available data, the classification criteria are not met.

**Teratogenicity:** Hazardous by WHMIS criteria.

**Embryotoxicity:** Hazardous by WHMIS criteria.

**Fertility:** Based on available data, the classification criteria are not met.

**STOT-Repeated Exposure:** Causes damage to lungs through prolonged or repeated exposure.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

**Toxicologically Synergistic Materials:** Not available.

**Other Information:** Not available.

---

## Section 12: ECOLOGICAL INFORMATION

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### 12.1 ECOTOXICITY

**Acute/Chronic Toxicity:** May cause long-term adverse effects in the aquatic environment.

### 12.2 PERSISTENCE AND DEGRADABILITY

Not available.

### 12.3 BIOACCUMULATIVE POTENTIAL

**Bioaccumulation:** Not available.

### 12.4 MOBILITY IN SOIL

Not available.

### 12.5 OTHER ADVERSE EFFECTS

Not available.

---

## Section 13: DISPOSAL CONSIDERATIONS

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### 13.1 WASTE TREATMENT METHODS

**Disposal Method:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Other disposal recommendations:** Not available.

---

## Section 14: TRANSPORT INFORMATION

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### 14.1 UN NUMBER

**DOT**

Not regulated.

**TDG**

Not regulated.

### 14.2 UN PROPER SHIPPING NAME

**DOT**

Not applicable.

**TDG**

Not applicable.



# SAFETY DATA SHEET

## 14.3 TRANSPORT HAZARD CLASS (ES)

**DOT**  
Not applicable.

**TDG**  
Not applicable.

## 14.4 PACKING GROUP

**DOT**  
Not applicable.

**TDG**  
Not applicable.

## 14.5 ENVIRONMENTAL HAZARDS

Not available.

## 14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not available.

## 14.7 SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

---

### Section 15: REGULATORY INFORMATION

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## 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

**Canada:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

SARA Title III				
Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Diethylene glycol monobutyl ether	Not listed.	Not listed.	Not listed.	Not listed.
Ethylene glycol	Not listed.	Not listed.	5,000	313
Titanium dioxide	Not listed.	Not listed.	Not listed.	Not listed.

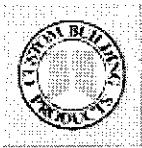
### State Regulations

#### California Proposition 65:

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. (Silica, crystalline; Titanium dioxide; 1,4-Dioxane; Ethylene oxide; Ethyl acrylate; Methanol; Acetaldehyde)

#### Global Inventories:

Ingredient	Canada DSL/NDSL	USA TSCA
Silica, crystalline, quartz	DSL	Yes.
Diethylene glycol monobutyl ether	DSL	Yes.
Ethylene glycol	DSL	Yes.
Titanium dioxide	DSL	Yes.



# SAFETY DATA SHEET

NFPA National Fire Protection Association:	
Health:	1
Fire:	0
Reactivity:	0
HMIS-Hazardous Materials Identification System	
Health:	1*
Fire:	0
Physical Hazard:	0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

**CP65 California Proposition 65**

**OSHA (O) Occupational Safety and Health Administration.**

**ACGIH (G) American Conference of Governmental Industrial Hygienists.**

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I) International Agency for Research on Cancer.**

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N) National Toxicology Program.**

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

## Section 16: OTHER INFORMATION

**Date of Preparation:** September 9, 2013

**Version:** 1.0

**Revision Date:** September 9, 2013

**Disclaimer:** We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

**Prepared by:** Nexreg Compliance Inc.  
Phone: (519) 488-5126  
[www.nexreg.com](http://www.nexreg.com)

**Prepared for:** Custom Building Products

## End of Safety Data Sheet



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# SAFETY DATA SHEET

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## Section 1: IDENTIFICATION

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### 1.1 PRODUCT IDENTIFIER

**Product Name:** SimpleSet ® Pre-mixed Thin-set Mortar  
**Product Code:** Not Available

### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:** Floor Patch

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

**Name/Address:** Custom Building Products  
3490 Piedmont Road, Suite 1300  
Atlanta, GA 30329

**Telephone Number:** (562)-598-8808

### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** INFOTRAC 1-800-535-5053 (US and Canada)  
INTERNATIONAL + 1-352-323-3500

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## Section 2: HAZARD(S) IDENTIFICATION

---

### 2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR

1910.1200 (OSHA HAZCOM2012)

Skin Irritation	Category 2
Eye Irritation	Category 2
STOT-SE	Category 3
STOT-RE	Category 1
Carcinogenicity	Category 1A

### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

**2.2a SIGNAL WORD:**  
DANGER!

**2.2b HAZARD STATEMENTS**

Causes skin irritation  
Causes eye irritation  
May cause respiratory irritation  
Causes damage to organs through prolonged or repeated exposure  
May cause cancer



# SAFETY DATA SHEET

## 2.2c HAZARD PICTOGRAMS



## 2.2d PRECAUTIONARY STATEMENTS

i. PREVENTION	Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/ vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.
ii. RESPONSE	If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If exposed or concerned: get medical advice/attention
iii. STORAGE	Store in a well-ventilated place. Keep container tightly closed.
iv. DISPOSAL	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

## 2.3 ADDITIONAL INFORMATION

### 2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not applicable

### 2.3b UNKNOWN ACUTE TOXICITY

65% of the mixture consists of ingredient(s) of unknown acute toxicity.

### 2.3c WHMIS CLASSIFICATION

- Class D2B – Skin/Eye Irritant
- Class D2A – Chronic Toxic Effects
- Class D2A - Carcinogenicity
- Class E – Corrosive Material

### 2.3d LABEL ELEMENTS ACCORDING TO WHMIS

#### i. WHMIS HAZARD SYMBOLS





# SAFETY DATA SHEET

- ii. **SIGNAL WORD**  
DANGER!

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Crystalline Silica, Quartz	14808-60-7	30 – 60%*
Calcium Carbonate	1317-65-3	15 – 40%*
Ethylene Glycol	107-21-1	0.5 – 1.5%*
Stoddard Solvent	8052-41-3	0.1 – 1%*

\*Means that the component will fall into one the ranges specified due to batch-to-batch variability.

## Section 4: FIRST-AID MEASURES

### 4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

### 4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact:	Causes skin irritation. Handling can cause dry skin, discomfort,



## SAFETY DATA SHEET

irritation, and dermatitis.

**Inhalation:**

May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.

**Ingestion:**

May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not applicable

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## Section 5: FIRE-FIGHTING MEASURES

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### 5.1 FLAMMABILITY

**Flammability:** Not Flammable by WHMIS/OSHA HAZCOM2012 Criteria

### 5.2 EXTINGUISHING MEDIA

**5.2a. Suitable Extinguishing Media:**  
Treat for surrounding material.

**5.2b. Unsuitable Extinguishing Media:**  
Not available.

### 5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

**5.3a. Products of Combustion:**  
May include, and are not limited to: oxides of carbon

**5.3b. Explosion Data**

- i. **Sensitivity to Mechanical Impact:**  
Not available.
- ii. **Sensitivity to Static Discharge:**  
Not available.

---

## Section 6: ACCIDENTAL RELEASE MEASURES

---

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.





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### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

**Methods for Containment:** Recover all usable material. Pick up large pieces, and then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Vacuum or sweep material and place in a disposal container. Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

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### Section 7: HANDLING AND STORAGE

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#### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling:** Use in well-ventilated areas. Wear chemical resistant gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe fumes. Do not take internally. Good housekeeping is important to prevent accumulation of dust.

**General Hygiene Advice:** Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Keep dry until use.

---

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

#### 8.1 CONTROL PARAMETER Exposure Guidelines

Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Crystalline Silica, Quartz	10 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>
Calcium Carbonate	5 mg/m <sup>3</sup> (Resp.) 15 mg/m <sup>3</sup> (Total)	10 mg/m <sup>3</sup>
Ethylene Glycol	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>



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Stoddard Solvent	100 ppm	100 ppm
------------------	---------	---------

## 8.2 EXPOSURE CONTROLS

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

## 8.3 INDIVIDUAL PROTECTION MEASURES

### 8.3a. Personal Protective Equipment:

- i. **Eye/Face Protection:** Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]
- ii. **Skin Protection:**
  - 1. **Hand Protection:** Wear chemical resistant gloves.
  - 2. **Body Protection:** Wear suitable protective clothing
- iii. **Respiratory Protection:** A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
- iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance (physical state, color, etc.):</b>	Paste-like compound
<b>Odor:</b>	White or Gray
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	8.5 – 9.5
<b>Melting point/Freezing point:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	Not available
<b>Evaporation rate (Water=1):</b>	Not available
<b>Flammability:</b>	Not flammable
<b>Upper Flammability/Explosive Limit:</b>	Not available
<b>Lower Flammability/Explosive Limit:</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	1 – 2 g/cc
<b>Solubility in Water:</b>	Miscible
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available



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<b>Decomposition Temperature:</b>	Not available
<b>Viscosity (cps):</b>	Not available
<b>VOC Content:</b>	60 g/L

### Section 10: STABILITY AND REACTIVITY

#### 10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

#### 10.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

#### 10.3. POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

#### 10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

#### 10.5. INCOMPATIBLE MATERIALS

Strong acids. Strong Oxidizers.

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield oxides of carbon.

### Section 11: TOXICOLOGICAL INFORMATION

#### 11.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, eye contact, inhalation, and ingestion.

#### 11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

**Eye Contact:** Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin Contact:** Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis.

**Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.



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**Ingestion:** May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

Acute Toxicity		
Chemical Name	LC50	LD50
Crystalline Silica, Quartz	Not Available	Not Available
Calcium Carbonate	Not Available	Oral: 6450 mg/kg, rat
Ethylene Glycol	Inhalation: 3.95 mg/L, Rat	Oral: 13000 mg/kg Dermal: 22270 mg/kg
Stoddard Solvent	5500 mg/L, rat	5000 mg/kg, rat

Calculated overall chemical acute toxicity values	
LD50 (oral)	LD50 (dermal)
>10000 mg/kg	>10,000 mg/kg

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)
Crystalline Silica, Quartz	N-A2, I-1, O-1, ACGIH-A2, CP65
Calcium Carbonate	Not Listed
Ethylene Glycol	Not Listed
Stoddard Solvent	Not Listed

### 11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

SHORT TERM	
<b>Skin Corrosion/Irritation:</b>	Causes skin irritation
<b>Serious Eye Damage/Irritation:</b>	Causes eye irritation
<b>Respiratory Sensitization:</b>	Not available
<b>Skin Sensitization:</b>	Not available
<b>STOT-Single Exposure:</b>	May cause respiratory irritation
<b>Aspiration Hazard:</b>	Not available
LONG TERM	
<b>Carcinogenicity:</b>	May cause cancer
<b>Germ Cell Mutagenicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>STOT-Repeated Exposure:</b>	Causes damage to organs through prolonged or repeated exposure
<b>Synergistic/Antagonistic Effects:</b>	Not available

## Section 12: ECOLOGICAL INFORMATION



# SAFETY DATA SHEET

## 12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity		
Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Crystalline Silica, Quartz	Not available	Not available
Calcium Carbonate	Not available	Not available
Ethylene Glycol	Not available	Not available
Stoddard Solvent	Not available	Not available

## 12.2. PERSISTENCE AND DEGRADABILITY

Not available

## 12.3. BIOACCUMULATIVE POTENTIAL

Not available

## 12.4. MOBILITY IN SOIL

Not available

## 12.5. OTHER ADVERSE EFFECTS

Not available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

### 13.2. OTHER DISPOSAL CONSIDERATIONS

Not available

## Section 14: TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)
<b>UN NUMBER:</b>  Not regulated	<b>UN NUMBER:</b>  Not regulated
<b>UN PROPER SHIPPING NAME:</b>  Not regulated	<b>UN PROPER SHIPPING NAME:</b>  Not regulated
<b>TRANSPORT HAZARD CLASS (ES):</b>	<b>TRANSPORT HAZARD CLASS (ES):</b>



# SAFETY DATA SHEET

Not regulated	Not regulated
<b>PACKING GROUP (if applicable):</b>	<b>PACKING GROUP (if applicable):</b>
Not regulated	Not regulated

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

### 14.1. ENVIRONMENTAL HAZARDS

Not available

### 14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not available

### 14.3. SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

## Section 15: REGULATORY INFORMATION

### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

**Canada:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**US:** SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

### 15.2. US FEDERAL INFORMATION:

SARA TITLE III				
Chemical Name	Section 302 EHS TPQ (lbs)	Section 304 EHS RQ (lbs)	CERCLA RQ (lbs.)	Section 313
Crystalline Silica, Quartz	Not listed	Not listed	Not listed	Not listed
Calcium Carbonate	Not listed	Not listed	Not listed	Not listed
Ethylene Glycol	Not listed	Not listed	5000	Listed
Stoddard Solvent	Not listed	Not listed	Not listed	Not listed

### 15.3. US STATE RIGHT TO KNOW LAWS:

<b>California Proposition 65:</b>	<b>WARNING!</b> This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm
<b>Other U.S. States "Right to Know" Lists:</b>	
<b>New Jersey:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b>



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	Ethylene Glycol: <b>CAS#107-21-1</b> Stoddard Solvent: <b>CAS#8052-41-3</b>
<b>Pennsylvania:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Stoddard Solvent: <b>CAS#8052-41-3</b>
<b>Massachusetts:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Stoddard Solvent: <b>CAS#8052-41-3</b>
<b>Minnesota:</b>	Silica, quartz: <b>CAS#14808-60-7</b> Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Stoddard Solvent: <b>CAS#8052-41-3</b>
<b>Florida:</b>	Not Available
<b>Michigan:</b>	Not Available

## 15.4. GLOBAL INVENTORIES

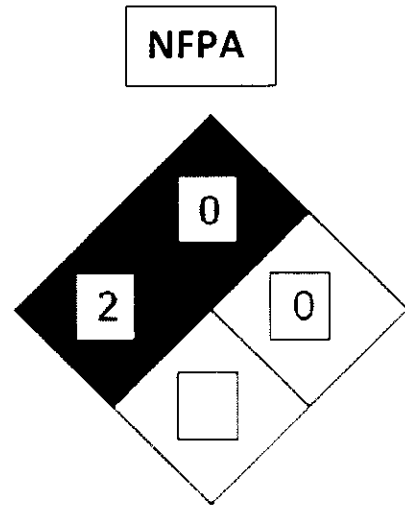
Chemical Name	Inventory	DSL
Crystalline Silica, Quartz	Yes	DSL
Calcium Carbonate	Yes	DSL
Ethylene Glycol	Yes	DSL
Stoddard Solvent	Yes	DSL



# SAFETY DATA SHEET

## 15.5. NFPA AND HMIS RATINGS:

<p align="center"><b>HEALTH HAZARD</b></p> <p><b>4</b> <b>EXTREME</b> - Highly toxic - May be fatal on short-term exposure.</p> <p><b>3</b> <b>SERIOUS</b> - Toxic - Full protective suit and breathing apparatus should be worn.</p> <p><b>2</b> <b>MODERATE</b> - Breathing apparatus and face mask must be worn.</p> <p><b>1</b> <b>SLIGHT</b> - Breathing apparatus may be worn.</p> <p><b>0</b> <b>MINIMAL</b> - No precautions necessary.</p>	<p align="center"><b>FLAMMABILITY HAZARD</b></p> <p><b>4</b> <b>EXTREME</b> - Extremely flammable gas or liquid. Flash Point below 73°F.</p> <p><b>3</b> <b>SERIOUS</b> - Flammable. Flash Point 73°F to 100°F.</p> <p><b>2</b> <b>MODERATE</b> - Combustible. Requires moderate heating to ignite. Flash Point below 200°F.</p> <p><b>1</b> <b>SLIGHT</b> - Slightly combustible. Requires strong heating to ignite.</p> <p><b>0</b> <b>MINIMAL</b> - Will not burn under normal conditions.</p>
<p align="center"><b>SPECIFIC HAZARD</b></p> <p>OXIDIZER    <b>OXY</b></p> <p>ACID        <b>ACID</b></p> <p>ALKALI      <b>ALK</b></p> <p>CORROSIVE <b>COR</b></p> <p>USE NO WATER    <b>W</b></p> <p>RADIATION    ☼</p>	<p align="center"><b>INSTABILITY HAZARD</b></p> <p><b>4</b> <b>EXTREME</b> - Explosive at room temperature.</p> <p><b>3</b> <b>SERIOUS</b> - May detonate if shocked or heated under certain conditions or mixed with water.</p> <p><b>2</b> <b>MODERATE</b> - Unstable. May react with water.</p> <p><b>1</b> <b>SLIGHT</b> - May react if heated or mixed with water.</p> <p><b>0</b> <b>MINIMAL</b> - Stable. Does not react with water.</p>



**HMIS**

Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard

2	<b>HEALTH</b>	<b>A</b>	<b>G</b>
0	<b>FLAMMABILITY</b>	<b>B</b>	<b>H</b>
0	<b>REACTIVITY</b>	<b>C</b>	<b>I</b>
0	<b>PERSONAL PROTECTION</b>	<b>D</b>	<b>J</b>
<b>B</b>		<b>E</b>	<b>K</b>
		<b>F</b>	<b>X</b>

PROTECTIVE EQUIPMENT INDEX





# SAFETY DATA SHEET

## 15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<b>CP65</b>	California Proposition 65
<b>OSHA (O)</b>	Occupational Safety and Health Administration
<b>ACGIH (G)</b>	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"><li>• A1 – Confirmed human carcinogen</li><li>• A2 – Suspected human carcinogen</li><li>• A3 – Animal carcinogen</li><li>• A4 – Not classifiable as a human carcinogen</li><li>• A5 – Not suspected a human carcinogen</li></ul>
<b>IARC (I)</b>	International Agency for Research on Cancer <ul style="list-style-type: none"><li>• 1 – The agent (mixture) is carcinogenic to humans</li><li>• 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.</li><li>• 2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.</li><li>• 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.</li><li>• 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.</li></ul>
<b>NTP (N)</b>	National Toxicology Program <ul style="list-style-type: none"><li>• 1 – Known to be carcinogens</li><li>• 2 – Reasonably anticipated to be carcinogens</li></ul>

## Section 16: OTHER INFORMATION

**Date of Preparation:** January 27, 2015

**Version:** 1.0

**Revision Date:** N/A

**Disclaimer:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

**Prepared by:** Custom Building Products  
Phone: (562)-968-2980  
[www.custombuildingproducts.com](http://www.custombuildingproducts.com)

## End of Safety Data Sheet



# Safety Data Sheet

## SKINTEGRITY INSTANT HAND SANITIZERS

### Section 1. Identification

Product Identifier SKINTEGRITY INSTANT HAND SANITIZERS  
Synonyms MSC098600; MSC097679  
Manufacturer Stock Numbers MSC098600; MSC097679

Recommended use N/A  
Uses advised against N/A

Manufacturer Contact Address  
Medline Industries, Inc.  
One Medline Place  
Mundelein, IL, 60060  
USA

Phone  
(800) 633-5463

Emergency Phone  
(800) 424-9300

Fax  
(847) 643-4436

CHEMTREC CHEMTREC

Website  
[www.Medline.com](http://www.Medline.com)

### Section 2. Hazards Identification

Classification ACUTE TOXICITY - ORAL - Category 5  
EYE DAMAGE/IRRITATION - Category 2B  
FLAMMABLE LIQUIDS - Category 3

Signal Word Warning

Pictogram



Hazard Statements Causes eye irritation  
Flammable liquid and vapor

	May be harmful if swallowed
<b>Precautionary Statements</b>	
<b>Response</b>	Call a poison center/doctor/ ... /if you feel unwell. If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use ... to extinguish.
<b>Prevention</b>	Ground/bond container and receiving equipment. Keep away from heat. Keep container tightly closed. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/.../equipment. Use only non-sparking tools. Wash ...thoroughly after handling. Wear protective gloves/eye protection/face protection
<b>Storage</b>	Store in a well-ventilated place. Keep cool.
<b>Disposal</b>	Dispose of contents/container to ...
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available

<b>Section 3. Ingredients</b>
-------------------------------

CAS	Ingredient Name	Weight %
64-17-5	Ethyl alcohol	Unknown

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First-Aid Measures

General Advice:	Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Skin Contact:	Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water. Do not apply oils or ointments unless ordered by the physician.
Ingestion:	If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media	In case of fire, use Carbon Dioxide (CO <sub>2</sub> ) or Dry Chemical
Unsuitable Extinguishing Media	N/A
Unusual Fire and Explosion Hazards:	Flammable liquid. Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to an ignition source where they may ignite, flashback, or explode. Keep away from heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). Process hazard: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly elevated to establish and maintain safe operating conditions. This material may produce a floating fire hazard.

## Section 6. Accidental Release Measures

Flammable Small Spill:	Absorb with an inert dry material and place in an appropriate waste disposal container.
Flammable Large Spill:	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

## Section 7. Handling and Storage

**Storage Flammable:** Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

**Handling Flammable:** Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethyl alcohol	STEL: 1,000 ppm	TWA: 1,000 ppm/1,900mg/mm <sup>3</sup>	N/A
		Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	29 CFR 1910.1000 Table Z-1 Limits	
<b>Personal Protective Equipment</b>	N/A			
<b>Respiratory Protection:</b>	N.A.			
<b>Engineering Controls:</b>	Ventilation: Local exhaust.			
<b>Eye Protection:</b>	Wear chemical safety goggles while handling this product. Do not wear contact lenses. Wear additional eye protection such as face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.			
<b>Skin Protection:</b>	Protective Gloves: Gloves			
<b>Work/hygienic practices:</b>	N.A.			

## Section 9. Physical and Chemical Properties

Physical State	N/A
Color	Clear gel
Odor	Alcohol
Odor Threshold	N/A
Solubility	Complete
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.89
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	65° F
FP Method	PMCC
Ph	N/A
Melting Point	N.A.
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N.D.
Vapor Density	N.A.

## Section 10. Stability and Reactivity

Conditions to avoid:	None known
Hazardous Polymerization	N.D.
Conditions to avoid:	Keep away from heat.
Stability:	Stable.
Hazardous Decomposition or Byproducts:	Burning may produce Carbon Monoxide, Carbon Dioxide and other hazardous components.

## Section 11. Toxicological Information

Acute Toxicity: Eye Contact	Contact may cause temporary moderate irritation
Acute Toxicity: Ingestion	May be harmful if swallowed

## Section 12. Ecological Information

No Data Available

### Section 13. Disposal

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Limited Quantity
DOT Classification	Limited Quantity
Packing Group	N/A

### Section 15. Regulatory Information

No Data Available

### Section 16. Other Information

Revision Date 5/29/2015

Legend N.A. - Not Applicable  
N.E. - Not Established  
N.D. - Not Determined

Additional Information NFPA 1-3-1

# Safety Data Sheet



## SmartSan All Purpose Wipes

### Section 1

### Product Description

Product Name: SmartSan All Purpose Wipes  
Recommended Uses: Cleaning Hands and Surfaces  
Distributor: Best Sanitizers, Inc.  
PO Box 1360 Penn Valley, CA 95946

Chemical Information Emergency:  
Chemtrec 1.800.424.9300

### Section 2

### Hazard Identification

OSHA Regulatory Status--This chemical is considered hazardous by the 2012 OSHA Hazard Communication, 29 CFR §1910.1200. This material is an Over-The-Counter consumer product that is safe for consumers with intended and reasonable foreseeable use. Please follow label instructions. Warnings below are for exposure to large quantities of the product. Normal usage should not create hazardous conditions.

Flammable liquids

Category 3

### Warning



### Hazard Statements

Flammable liquid and vapor

**Appearance**—Aqueous solution

**Physical state**—Liquid

**Odor**— Alcohol Odor

### Precautionary Statements—Prevention

Keep away from heat/sparks/open flames/hot surfaces-----No Smoking.  
Do not use in eyes.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements—Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin (hair) with water/shower.  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

### Precautionary Statements—Storage

Stored in a well-ventilated place. Keep Cool.



# Safety Data Sheet

## Precautionary Statements—Disposal

Dispose of contents/container to an approved waste disposal plant.

## Hazards not otherwise classified (HNOC)

Not Applicable.

## Other Information

Unknown Acute Toxicity.

## Section 3

## Composition/Information on Ingredients

Ingredients considered hazardous as defined by OSHA, 29 CFR 1910.1200, WHMIS under the HPA (Canada).

Chemical Name	CAS No.	Weight-%
Ethyl Alcohol	64-17-5	66-76
Isopropyl Alcohol	67-63-0	< 5-9

Remaining ingredients are non-hazardous and/or present at amounts below reportable limits and considered confidential.

## Section 4

## First Aid Measures

### First Aid Measures

#### Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). If eye irritation persists: Get medical advice/attention.

#### Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing and shoes before reuse. Get medical attention if irritation develops and persists.

#### Inhalation

Remove to fresh air. Immediate medical attention is not required.

#### Ingestion

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

### Most important symptoms and effects, both acute and delayed

#### Symptoms

See Section 11 for symptom information.

### Indication of any immediate medical attention and special treatment needed

#### Note to physicians

Treat symptomatically.

## Section 5

## Fire-Fighting Measures

### Suitable Extinguishing Media

Dry Chemical, Water spray (fog), Carbon dioxide (CO<sub>2</sub>), Foam.

### Unsuitable Extinguishing Media

No Information available.

### Specific hazards arising from the chemical

Flammable. Vapors may travel to source of ignition and flash back.

#### Hazardous combustion products

Carbon Monoxide. Carbon Dioxide (CO<sub>2</sub>).

#### Explosion Data

Sensitivity to Mechanical Impact

None

Sensitivity to Static Discharge

May be ignited by friction, heat, sparks or flames.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective

# Safety Data Sheet

gear. Cool containers with flooding quantities of water until well after fire is out.

## Section 6

### Accidental Release Measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

For emergency responders Isolate area. Keep unnecessary personnel away.

#### Environment Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

#### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. May be ignited by friction, heat, sparks or flames. Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

## Section 7

### Handling and Storage

#### Precautions for Safe Handling

**Advice on Safe Handling** Keep away from heat sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

#### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep Containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store between 40 to 100 ° F.

**Incompatible materials** Heat, sparks, open flame, other ignition sources. Reacts violently with strong oxidants such as nitric acid and silver nitrate causing fire and explosion hazard. Reacts slowly with calcium hypochlorite and ammonia causing fire and explosion hazard.

# Safety Data Sheet

## Section 8

## Protection Information

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 ppm (vacated)STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 980 mg/m <sup>3</sup> vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

### Appropriate Engineering Controls

Engineering Controls                      Showers, eyewash stations, ventilation system.

### Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective Neoprene™ gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants) is recommended. Apron is recommended.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

## Section 9

## Physical and Chemical Properties

### Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Fragrance Free	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Clear, Dark Yellow
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks—Method</u></b>	
pH	5.0-7.0		± 1 @ 21°C
Melting Point/Freezing Point	No Information		
Boiling Point/ Boiling Range	No information available		
Flash Point	21 °C / 70°F		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		

# Safety Data Sheet

Flammability Limit in Air	
Upper flammability limit:	19.0%
Lower flammability limit:	3.3%
Vapor pressure:	20mm Hg @ 30-35 °C
Vapor density:	No information available
Specific Gravity	0.814-0.8760
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## Section 10

## Stability and Reactivity Data

<b>Reactivity</b>	No data available.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Heat, flames and sparks, extreme temperature conditions.
<b>Incompatible materials</b>	Heat, sparks, open flame, other ignition sources. Reacts violently with strong oxidants such as nitric acid and silver nitrate causing fire and explosion hazard. Reacts slowly with calcium, hypochlorite and ammonia causing fire and explosion hazard.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen.

## Section 11

## Toxicity Data

### Information on likely routes of exposure

#### Product Information

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye Contact	Irritating to eyes.
Skin Contact	Prolonged contact may cause irritation.
Ingestion	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water, 7732-18-5	> 90 mL/kg (Rat)	-	-
Isopropyl alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rabbit)	= 16000 ppm (Rat) 8 h
Ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	= 31623 ppm (Rat) 4 h

# Safety Data Sheet

## Information on toxicological effects

Symptoms No Information Available

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No Information Available

Germ cell mutagenicity No Information Available

Carcinogenicity IARC: Group 3 (Not classifiable as to its carcinogenicity to humans).

Reproductive toxicity No Information Available

STOT single exposure No Information Available

STOT repeated exposure No Information Available

Aspiration hazard No Information Available

## Numerical measures of toxicity –Product Information

**Unknown Acute Toxicity** 0.5% of the mixture consists of direct food additives.

The following values are calculated based on Chapter 3.1 of the GHS document

ATEmix (dermal) 32989 mg/kg mg/l

ATEmix (inhalation-vapor) 2243.7 mg/l

## Section 12

## Ecological Data

### Ecotoxicity

5% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Isopropyl alcohol 67-63-0	1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50	13299: 48 h <i>Daphnia magna</i> mg/L EC50
Ethyl alcohol 64-17-5	12900: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50	12-16.0: 96 h <i>Oncorhynchus mykiss</i> ms/L LC50 Static 100: 96 h <i>Pimephales promelas</i> ms/L LC50 static 13400-15100: 96 h <i>Pimephales promelas</i> ms/L LC50 flow-through	9268-14221: 48 h <i>Daphnia magna</i> mg/L LC50 24 h <i>Daphnia magna</i> mg/L EC50 48 h <i>Daphnia magna</i> mg/L EC50 Static

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## Persistence and degradability

No Information Available.

## **Bioaccumulation**

Chemical Name	Partition Coefficient
Isopropyl alcohol	0.05
Ethyl alcohol	-0.32

## **Mobility**

No information available.

## **Other adverse effects**

No information available.

## Section 13

## Disposal Information

### Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

Chemical Name	California Hazardous Waste Status
Isopropyl alcohol 67-63-0	Toxic Ignitable
Ethyl alcohol 64-17-5	Toxic Ignitable

## Section 14

## Transport Information

### DOT

UN/ID No.	1170
Proper shipping name	Ethanol Flammable liquids
Hazard Class	3
Packing Group	II

Limited Quantities for packages under 1 Liter

Exempt DOT-SP 9275 for packages under 1 gallon

# Safety Data Sheet

## Section 15

## Regulatory Information

### International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

### Legend:

TSCA—United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL— Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS—European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. Note: Isopropyl alcohol only needs to be reported if it is being manufactured by the strong acid process. Facilities that process or otherwise use isopropyl alcohol are NOT covered and should NOT file a report.

#### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substance regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local regional or state level pertaining to releases of this material.

#### US State Regulations

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

##### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl alcohol 67-63-0	X	X	X
Ethyl alcohol 64-17-5	X	X	X

##### U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

# Safety Data Sheet

## Section 16

## Additional Information

<u>NFPA</u>	Health Hazards	Flammability	Instability	Physical and Chemical Properties
	1	3	0	None
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal protection
	2	3	0	B (safety glasses, gloves)

**Prepared by:** Technical Department  
**Revision Date** January 15, 2015  
**Version** 0  
**Revision Note** No information available

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

LS 104-074-00.003



### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Snoop

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Snoop® is a proprietary blend of water, non-ionic surfactants, and a bactericide.

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Swagelok  
29495 F.A. Lennon Drive  
44139 Solon, OH - United States  
T 440-349-5600 - F 440-519-3304  
[www.swagelok.com](http://www.swagelok.com)

Supplier:  
[Distributor, add your contact information](#)

#### 1.4. Emergency telephone number

Emergency number : **Infotrac:** North America: 1-800-535-5053 International: 1-352-323-3500

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified- Non Hazardous

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

No labeling applicable

#### 2.3. Other hazards

Other hazards not contributing to the classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.  
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

# Snoop

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Prolonged exposure may cause irritation.
Symptoms/effects after skin contact	: Prolonged exposure may cause skin irritation.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: Ingestion may cause adverse effects.

### 4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container and SDS at hand.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not considered flammable but may burn at high temperatures.
Explosion hazard	: Product is not explosive.

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Oxides of carbon and sulfur formed if burned.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use appropriate personal protection equipment (PPE).
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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#### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information	: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Handle in accordance with standard industrial practices and ensure appropriate usage. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Hygiene measures	: Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : children. Keep container closed when not in use.
Incompatible products	: Strong acids, strong bases, strong oxidizers, water-reactive materials.
Incompatible materials	: Sources of ignition. Direct sunlight.
Storage area	: Keep from freezing and extreme heat to protect quality of the product. Store in a dry, cool and well-ventilated place.

# Snoop

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the workstation. General industrial hygiene practice.

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Chemical resistant safety shoes. Impervious clothing

#### Respiratory protection:

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: No data available
Odor	: Characteristic.
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

# Snoop

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers, water-reactive materials.

### 10.6. Hazardous decomposition products

Hazardous fumes. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Aquatic acute : Not classified

Aquatic chronic : Not classified

### 12.2. Persistence and degradability

Snoop	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Snoop	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

# Snoop

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable  
UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

##### ADN

Transport hazard class(es) (ADN) : Not applicable

##### RID

Transport hazard class(es) (RID) : Not applicable

#### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

Not applicable

##### - Transport by sea

Not applicable

##### - Air transport

Not applicable

# Snoop

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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### - Inland waterway transport

Not applicable

### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Other information : None.

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

## SAFETY DATA SHEET

6/8/2016

### SECTION I - IDENTIFICATION

**Material Name**  
SOBO

**Manufacturer Information**  
Plaid Enterprises, Inc.  
3225 Westech Drive  
Norcross, Georgia 30092  
Phone: 1-678-291-8213  
Fax: 1-678-291-8363  
Email: jstanley@plaidonline.com

For transportation emergencies only call: cell: 770-778-3221  
For health emergencies call the Poison Control Center: 1-800-222-1222

### SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.  
Eye Irritation - Category 2

**GHS Label Elements**

Symbol(s)



Signal Word(s)  
Danger

Hazard Statement(s)  
Causes serious eye irritation

Precautionary Statement(s)

**Prevention**  
Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response**  
Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

### SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS/EC #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % Weight</u>	<u>NTP</u>	<u>IARC</u>
HEXYLENE GLYCOL	107-41-5	N/A	1 25000	N	N

#### SECTION IV - FIRST AID MEASURES

FIRST AID MEASURES: NONE REQUIRED. NO ACUTE HEALTH EFFECTS EXPECTED.

#### SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A  
 EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE  
 EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED  
 FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED  
 UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section XIII

#### SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

#### SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: NONE REQUIRED  
 OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): NONE REQUIRED  
 WORK/HYGIENE PRACTICES: NONE REQUIRED  
 ENGINEERING CONTROLS: NONE REQUIRED

#### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A MELTING POINT: N/A  
 VAPOR PRESSURE: N/A SPECIFIC GRAVITY: N/A  
 SPECIFIC VAPOR DENSITY (AIR=1): N/A REACTIVITY IN WATER: NON-REACTIVE  
 SOLUBILITY IN WATER: N/A

#### SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: NONE  
 STABILITY: STABLE CONDITIONS TO AVOID: NONE  
 INCOMPATIBILITY (MATERIALS TO AVOID): NONE  
 HAZARDOUS DECOMPOSITION PRODUCTS: NONE

#### SECTION XI - TOXICOLOGICAL INFORMATION



**ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: NONE EXPECTED**

The summated LD50 is 20335 mg/kg.

The summated LC50 is 99999 mg/cubic meter.

This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section III)

**SECTION XII - ECOLOGICAL INFORMATION**

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

**SECTION XIII - DISPOSAL CONSIDERATIONS**

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION XIV - TRANSPORTATION INFORMATION**

U.S. DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

**SECTION XV - REGULATORY INFORMATION**

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200

EPA SARA TITLE III CHEMICAL LISTINGS

NONE

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372):

NONE

**INTERNATIONAL REGULATIONS**

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

HEXYLENE GLYCOL  
PROPYLENE GLYCOL

**SUPPLEMENTAL STATE COMPLIANCE INFORMATION:**

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

Under CPSC's consumer product regulations (16CFR1500.3 and 150014), this product has the following required acute and chronic hazard labeling:

NONE

**SECTION XVI - OTHER INFORMATION**

LAST REVISION DATE: 06/08/2015

**Prepared by Duke OEM Toxicology**

**COLOR INFORMATION**

THIS SDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS

<b>Product Color</b>	<b>SKU</b>	<b>Hazardous Ingredient</b>
800010203		(NONE)
800010403		(NONE)
800010802		(NONE)
800011602		(NONE)

**BRAND NAMES**

THIS SDS APPLIES TO THE FOLLOWING BRAND NAMES

<u>Brand Name</u>	<u>SKU</u>
SOBO	

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 698.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Substances and mixtures which, in contact with water, emit flammable gases (Category 1). In contact with water releases flammable gases which may ignite spontaneously (H260). Handle under inert gas. Protect from moisture (P231+P232). Keep away from any possible contact with water, because of violent reaction and possible flash fire (P223).

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe dust or fumes (P260).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium	7440-23-5	Na	22.99	

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin (or hair):** Immediately remove all contaminated clothing. Brush off loose particles from skin (P335). Rinse skin with water (P303+P361+P353).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

### SECTION 5 — FIRE FIGHTING MEASURES

Flammable solid. Autoignition Temperature: 120-125 °C Severe fire risk. May ignite spontaneously in moist air. Reacts explosively with water producing very dangerous hydrogen gas.

**In case of fire:** Use class D fire extinguisher or dry sand for extinction (P370+P378). Keep away from any possible contact with water, because of violent reaction and possible flash fire (P223).

**NFPA CODE**  
 H-3  
 F-3  
 R-2  
 No Water

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and water. Pick up pieces of sodium and place in a container with clean, dry oil (kerosene or mineral oil). Ventilate area and wash site after material has been picked up. See Sections 8 and 13 for further information.

---

**SECTION 7 — HANDLING AND STORAGE**

---

Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides. Store in a PVC coated glass bottle, under dry oil, and inside a Flinn Saf-Stor™ can. Sodium metal must always be stored under dry oil to prevent contact with moist air.

---

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

---

Wear protective gloves, protective clothing, eye protection, and face protection (P280). Wash hands thoroughly after handling (P264).

---

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

---

Soft, silvery-white solid. Wax-like at room temperature.  
Oxidizes rapidly in air.

Boiling point: 883 °C  
Melting point: 97.794 °C  
Specific gravity: 0.97

---

**SECTION 10 — STABILITY AND REACTIVITY**

---

Decomposes water on contact evolving explosive hydrogen and producing a solution of corrosive sodium hydroxide. Avoid acids and oxidizing agents.  
Shelf life: Good, if stored properly.

---

**SECTION 11 — TOXICOLOGICAL INFORMATION**

---

Acute effects: Corrosive  
Chronic effects: N.A.  
Target organs: N.A.

ORL-RAT LD<sub>50</sub>: N.A.  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

---

**SECTION 12 — ECOLOGICAL INFORMATION**

---

Aquatic toxicity: Sodium hydroxide (reaction product with water)

---

**SECTION 13 — DISPOSAL CONSIDERATIONS**

---

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #3 is one option.

---

**SECTION 14 — TRANSPORT INFORMATION**

---

Shipping name: Sodium; Hazard class: 4.3, Dangerous when wet; UN number: UN1428

N/A = Not applicable

---

**SECTION 15 — REGULATORY INFORMATION**

---

TSCA-listed, EINECS-listed (231-132-9), RCRA code D001, D002, D003.

---

**SECTION 16 — OTHER INFORMATION**

---

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 21, 2014

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 700.10

Revision Date: March 27, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Acetate Solution

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 3). Causes mild skin irritation (H316).

Hazard class: Serious eye damage or irritation (Category 2B). Causes eye irritation (H320).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium acetate trihydrate	6131-90-4	$\text{NaC}_2\text{H}_3\text{O}_2 \cdot 3\text{H}_2\text{O}$	136.08	1-9%
Water	7732-18-5	$\text{H}_2\text{O}$	18.00	91-99%

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

---

**SECTION 7 — HANDLING AND STORAGE**

---

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.

---

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

---

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

---

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

---

Clear, colorless liquid. Slight vinegar odor.

---

**SECTION 10 — STABILITY AND REACTIVITY**

---

Avoid strong oxidizers.

Shelf life: Indefinite, if stored properly.

---

**SECTION 11 — TOXICOLOGICAL INFORMATION**

---

Acute effects: Irritant

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: 3350 mg/kg as sodium acetate

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

---

**SECTION 12 — ECOLOGICAL INFORMATION**

---

Data not yet available.

---

**SECTION 13 — DISPOSAL CONSIDERATIONS**

---

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

---

**SECTION 14 — TRANSPORT INFORMATION**

---

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

---

**SECTION 15 — REGULATORY INFORMATION**

---

TSCA-listed, EINECS-listed (204-823-8).

---

**SECTION 16 — OTHER INFORMATION**

---

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 27, 2014



# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 712.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Borate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
 CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Hazard class: Reproductive toxicity (Category 1). May damage fertility or the unborn child (H360). Obtain special instructions before use (P201). Do not handle until all safety precautions have been read and understood (P202). Use personal protective equipment as required (P281).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium tetraborate decahydrate	1303-96-4	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> ·10H <sub>2</sub> O	381.42	
Synonyms: Borax; Sodium pyroborate; Sodium tetraborate decahydrate				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #8. Store with borates, chromates, manganates and permanganates. Efflorescent in dry air. Store within a Flinn Chem-Saf™ bag.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Exposure guidelines: TLV 2 mg/m<sup>3</sup> (inhalable fraction) (ACGIH)

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White crystals or powder. Odorless.  
Soluble: Water and glycerol. Insoluble in alcohol.

Melting point: 75 °C (decomposes)  
Specific gravity: 1.73

**SECTION 10 — STABILITY AND REACTIVITY**

Shelf life: Poor, efflorescent in dry air. See Section 7 for further information.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant  
Chronic effects: N.A.  
Target organs: Central nervous system, kidneys

ORL-RAT LD<sub>50</sub>: 2660 mg/kg  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: >2 g/kg

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #26a is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (215-540-4).

**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 21, 2014

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 715.00

Revision Date: March 27, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Bromide Solution

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 3). Causes mild skin irritation (H316).

Hazard class: Serious eye damage or irritation (Category 2B). Causes eye irritation (H320).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium bromide	7647-15-6	NaBr	102.90	1-10%
Water	7732-18-5	H <sub>2</sub> O	18.00	90-99%

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water. **If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

---

**SECTION 7 — HANDLING AND STORAGE**

---

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.

---

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

---

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

---

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

---

Colorless liquid. Odorless.

---

**SECTION 10 — STABILITY AND REACTIVITY**

---

Shelf life: Good, if stored properly.

---

**SECTION 11 — TOXICOLOGICAL INFORMATION**

---

Acute effects: Possible irritant

ORL-RAT LD<sub>50</sub>: N.A.

Chronic effects: N.A.

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

---

**SECTION 12 — ECOLOGICAL INFORMATION**

---

Data not yet available.

---

**SECTION 13 — DISPOSAL CONSIDERATIONS**

---

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

---

**SECTION 14 — TRANSPORT INFORMATION**

---

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

---

**SECTION 15 — REGULATORY INFORMATION**

---

Not listed.

---

**SECTION 16 — OTHER INFORMATION**

---

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 27, 2014

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 716.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Carbonate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Hazard class: Skin corrosion or irritation (Category 3). Causes mild skin irritation (H316).

Hazard class: Serious eye damage or irritation (Category 2A). Causes serious eye irritation (H319).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium carbonate, anhydrous	497-19-8	Na <sub>2</sub> CO <sub>3</sub>	105.99	
Synonym: Soda ash				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water. **If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Do not allow solid to become airborne. Ventilate area. Wipe up, place in sealed bag or container and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates. Hygroscopic. Keep container tightly closed. Store in Flinn Chem-Saf™ bag. Store in a cool dry place.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White crystals or powder. Odorless.  
Soluble: Water and glycerol. Insoluble in alcohol.

Melting point: 856 °C  
Specific gravity: 2.54

**SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with acids, aluminum. Reacts vigorously with fluorine.  
Shelf life: Fair, hygroscopic. See Section 7 for further information.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant  
Chronic effects: N.A.  
Target organs: Investigated as a mutagen.

ORL-RAT LD<sub>50</sub>: 4090 mg/kg  
IHL-RAT LC<sub>50</sub>: 2300 mg/m<sup>3</sup> 2 Hour  
SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

LC<sub>50</sub> 96 Hr *Lepomis macrochirus*: 300 mg/L

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #26a is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (207-838-8).

**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 21, 2014

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 721.00

Revision Date: February 6, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Chloride

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Product should be treated as a chemical and is not for consumption as it has been stored with other nonfood-grade chemicals.

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium chloride	7647-14-5	NaCl	58.45	
Synonym: Table salt				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA Code**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates. Somewhat hygroscopic. Keep container tightly closed. Store in a cool dry place.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White crystalline powder. Odorless.  
Soluble: Water. Slightly in alcohol.

Boiling point: 1465 °C  
Melting point: 801 °C  
Specific gravity: 2.17  
Not for human use.

**SECTION 10 — STABILITY AND REACTIVITY**

Reacts violently with bromine trifluoride and lithium. Avoid contact with strong oxidizers, acids, bromine.  
Shelf life: Fair, somewhat hygroscopic. See Section 7 for further information.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant, dehydration.  
Chronic effects: N.A.  
Target organs: Investigated as a mutagen, reproductive effector.

ORL-RAT LD<sub>50</sub>: 3000 mg/kg  
IHL-RAT LC<sub>50</sub>: >42 g/m<sup>3</sup> 1Hr  
SKN-RBT LD<sub>50</sub>: >10 mg/kg

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #26a is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (231-598-3).

**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: February 6, 2014



# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 734.00

Revision Date: March 25, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Hydroxide

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).

Hazard class: Corrosive to metals (Category 1). May be corrosive to metals (H290).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium hydroxide	1310-73-2	NaOH	39.997	

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If on skin (or hair):** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

### SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

Hot molten sodium hydroxide can react violently with water. Contact with aluminum, tin, and zinc liberates hydrogen gas. When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

NFPA CODE

H-3

F-0

R-1

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. Absorb spills to prevent material damage (P390). See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates. Absorbs CO<sub>2</sub> and water from air. Keep container tightly closed. Keep only in original container (P234).

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Exposure guidelines: PEL 2 mg/m<sup>3</sup> (OSHA); Ceiling 2 mg/m<sup>3</sup> (ACGIH); IDLH 10 mg/m<sup>3</sup>

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White pellets or flakes. Absorbs CO <sub>2</sub> and water from air.	Boiling point: 1388 °C
Odorless.	Melting point: 323 °C
Soluble: Water and alcohol	pH: basic
	Specific gravity: 2.13

**SECTION 10 — STABILITY AND REACTIVITY**

Contact with aluminum, tin, and zinc liberates, hydrogen gas. Avoid contact with strong oxidizers, strong acids, organic material, chlorinated solvents.

Shelf life: Good, if kept tightly closed. See Section 7 for further information.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Eye and skin burns. Mucous membrane irritant.	ORL-RBT LD <sub>50</sub> : 500 mg/kg
pneumonitis.	IHL-RAT LC <sub>50</sub> : N.A.
Chronic effects: N.A.	SKN-RBT LD <sub>50</sub> : 50 mg/24H
Target organs: Eyes, skin, respiratory system.	

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #10 is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Sodium hydroxide, solid. Hazard class: 8, Corrosive. UN number: UN1823.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (215-185-5), RCRA code D002, D003.

**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 25, 2014

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 734.10

Revision Date: March 25, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Hydroxide Solution, 6.1M - 19M

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).

Hazard class: Corrosive to metals (Category 1). May be corrosive to metals (H290).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium hydroxide	1310-73-2	NaOH	39.997	25-50%
Water	7732-18-5	H <sub>2</sub> O	18.00	50-75%

### SECTION 4 — FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If on skin (or hair):** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. Absorb spills to prevent material damage (P390). See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates. Keep container tightly closed. Keep only in original container (P234).

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Exposure guidelines: (as sodium hydroxide) PEL 2 mg/m<sup>3</sup> (OSHA); Ceiling 2 mg/m<sup>3</sup> (ACGIH); IDLH 10 mg/m<sup>3</sup>

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Colorless liquid. Odorless.

Density: 1.53  
pH: basic

**SECTION 10 — STABILITY AND REACTIVITY**

Shelf life: Good, if kept tightly closed.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Eye and skin burns. Mucous membrane irritant.  
pneumonitis.  
Chronic effects: N.A.  
Target organs: Eyes, skin, respiratory system.

ORL-RBT LD<sub>01</sub>: 500 mg/kg (as sodium hydroxide)  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: 50 mg/24H (as sodium hydroxide)

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #10 is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Sodium hydroxide solution. Hazard class: B, Corrosive. UN number: UN1824.

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

Not listed.

**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 25, 2014

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 755.10

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sodium Polyacrylate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Serious eye damage or irritation (Category 2A). Causes serious eye irritation (H319).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium polyacrylate	9003-04-7	C <sub>3</sub> H <sub>3</sub> NaO <sub>2</sub>	94.04	
Synonym: Waterlock				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA Code**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

---

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

---

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White, fine powder. Odorless.

Soluble: Swells in water

---

**SECTION 10 — STABILITY AND REACTIVITY**

---

Avoid contact with strong oxidizing agents.

Shelf life: Good, if kept dry.

---

**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritating dust.

ORL-RAT LD<sub>50</sub>: >40 g/kg

Chronic effects: N.A.

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

---

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 21, 2014



Revision Number: 006.0

Issue Date: 08/11/2014

**1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

**Product identifier used on the label:** Soft Scrub® with Bleach Cleanser  
 Soft Scrub® with Bleach Disinfectant Cleanser  
 Commercial Soft Scrub® with Bleach Disinfectant Cleanser

**Other means of identification:** 1388321, 1432932, 1550861 (SS w/Bleach Disinfectant Cleanser)

**Recommended use of the chemical and restrictions on use:** Cleansing Cream, Do not mix with other products.

**Name, address and telephone number of the chemical manufacturer:**

The Dial Corporation, a Henkel Company  
 7201 E. Henkel Way  
 Scottsdale, AZ 85255-9672 USA

CHEMTREC: 1-800-424-9300 (24 hours daily)  
 Internet: www.henkelna.com

**Emergency telephone number:** Medical Emergencies: 1-888-689-9082

**2. HAZARD IDENTIFICATION**

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

HAZARD CLASS	HAZARD CATEGORY
SKIN CORROSION	1A
SERIOUS EYE DAMAGE	1
GERM CELL MUTAGENICITY	2
REPRODUCTIVE TOXICITY	1B
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	1
ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT	2

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

**Signal word:** DANGER  
**Hazard Statement(s):** Causes severe skin burns and eye damage. Suspected of causing genetic defects. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life.



**Symbol(s):**

**Precautionary Statements:**

**Prevention:** Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe vapors, mist, or spray.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Avoid release to the environment.  
 Wear protective gloves, eye protection, and face protection.  
 Use personal protective equipment as required.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Immediately call a POISON CENTER or physician.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.  
 IF exposed or concerned: Get medical attention.  
 Wash contaminated clothing before reuse.

**Storage:** Store locked up.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Hazards not otherwise classified: Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration	Classification §1910.1200
Limestone	1317-65-3	30 - 60 %	Eye irritation 2B
Boehmite (Al(OH)O)	1318-23-6	1 - 5%	Serious eye damage 1 Skin irritation 2 Reproductive toxicity 1B Specific target organ toxicity - repeated exposure 1 Specific target organ toxicity - single exposure 3
Sulfonic acids, C13-17-sec-alkane, sodium salts	85711-69-9	1 - 5 %	Serious eye damage 1
Sodium hypochlorite	7681-52-9	1 - 5%	Serious eye damage 1 Skin corrosion 1B Germ cell mutagenicity 2 Corrosive to metals 1 Acute hazards to the aquatic environment 1

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of § 1910.1200.

### 4. FIRST AID MEASURES

#### Description of necessary measures

**Inhalation:** Keep affected person warm and at rest. Remove from exposure area to fresh air immediately. Treat symptomatically and supportively. Contact physician or local poison control center.

**Skin contact:** Take off contaminated clothing. Rinse affected area with large amounts of water until no evidence of product remains. Contact physician or local poison control center.

**Eye contact:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation develops.

**Ingestion:** Treat symptomatically and supportively. Maintain airway and respiration. Do not induce vomiting. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

#### Most important symptoms and effects, both acute and delayed

After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes). After skin contact: Moderate to strong irritation of the skin (redness, swelling, burning), severe burns also possible. After ingestion: Ingestion may cause pain, burning, swelling and redness in the mouth and throat. Nausea and vomiting may occur. After inhalation: Irritation of the respiratory tract, coughing. Inhalation of large amounts may cause laryngospasm with shortness of breath.

#### Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. After skin contact: Rinse affected area with large amounts of water until no evidence of product remains. After ingestion: Do not induce vomiting. Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air.

### 5. FIRE FIGHTING MEASURES

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.

**Unsuitable extinguishing media:** None known

#### Specific hazards arising from the chemical

Oxides of carbon and oxides of nitrogen.

#### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing hazardous vapors, keep upwind. Isolate area. Keep unnecessary personnel away.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

The Dial Corporation, a Henkel Company; 7201 E. Henkel Way; Scottsdale, AZ 85255-9672	
Hard Surface Cleaner	Page 2 of 6



Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

**Environmental Precautions**

This product is toxic to fish and aquatic invertebrates. This product should not be directly discharged into lakes, streams, ponds, estuaries, oceans, public water supplies, or other waters.

**Methods and materials for containment and cleaning up**

SMALL SPILLS: Contain and absorb with sand or other absorbent material and place into clean, dry containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, ventilated area out of reach of children and away from sources of heat, moisture, and incompatible substances. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH	OSHA PEL	AIHA WEEL	OTHER
Limestone	10 mg/m <sup>3</sup> TWA Total dust.	5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust.	None	None
Boehmite (Al(OH)O)	1 mg/m <sup>3</sup> TWA Respirable fraction.	None	None	None
Sodium hypochlorite	None	None	2 mg/m <sup>3</sup> STEL	None

**Appropriate engineering controls**

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated. Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

**Individual protection measures**

**Respiratory:** Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

**Eye:** Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

**Hand/Body:** Protective gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	cream, white
<b>Odor:</b>	characteristic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	12.7 (25 °C)
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	> 93.3 °C (> 199.94 °F)
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	5,000 - 12,000 mPa.s
<b>VOC content:</b>	Not available.
<b>Specific gravity:</b>	1.3 (25°C, 77°F)

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product reacts with acids.
<b>Chemical stability:</b>	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
<b>Conditions to avoid:</b>	Avoid storing in direct sunlight and avoid extremes of temperature.
<b>Incompatible materials:</b>	Strong oxidizers, acids. Reacts with other household chemicals such as acid toilet bowl cleaners, rust removers, acids, vinegar, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds
<b>Hazardous decomposition products:</b>	Thermal decomposition may produce irritating smoke, oxides of carbon and chlorine.

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

**Inhalation:** Irritating, in high concentration, to the respiratory tract (nose, throat, and lungs). Direct contact with mucous membranes may result in corrosive damage.

**Skin contact:** Concentrated product may be severely irritating.

**Eye contact:** May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly.

**Ingestion:** Ingestion may cause severe irritation or burns to esophagus, mouth, and stomach with nausea, vomiting and diarrhea.

**Physical/Chemical:** The product is alkaline. The product is corrosive.

### Other relevant toxicity information:

This product is a household product. The use of this product by consumers is safe under normal and reasonable foreseen use.

### Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Limestone	None	Nuisance dust
Boehmite (Al(OH)O)	None	Respiratory, Lung, Corrosive, Nervous System, Irritant, Developmental, Blood
Sulfonic acids, C13-17-sec-alkane, sodium salts	None	No data
Sodium hypochlorite	Oral LD50 (RAT) = 8.91 g/kg	Irritant, Corrosive, Skin, Mutagen, Immune system

### Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Limestone	No	No	No
Boehmite (Al(OH)O)	No	No	No
Sulfonic acids, C13-17-sec-alkane, sodium salts	No	No	No
Sodium hypochlorite	No	No	No

### Carcinogenicity

None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

### Mutagenicity

This product contains an ingredient which has been associated with mutagenicity effects.

### Toxicity to reproduction

This product contains an ingredient which has been associated with reproductive, fetal or developmental effects.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

### Toxicity to fish:

Hazardous substances	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Calcium carbonate	LC50	> 10,000 mg/l	Fish	96 h		OECD 203
Boehmite (Al(OH)O)	LC50	> 100 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD 203
Sulfonic acids, C13-17-sec-alkane, sodium salts	LC50	4.1 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
Sodium hypochlorite	LC50	10 – 100 mg/l	Fish			OECD 203

### Toxicity to aquatic invertebrates:

The Dial Corporation, a Henkel Company; 7201 E. Henkel Way; Scottsdale, AZ 85255-9672	
Hard Surface Cleaner	Page 4 of 6

Hazardous substances	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Calcium carbonate	EC50	> 1,000mg/l	Daphnia	48 h	Daphnia magna	OECD 202
Boehmite (Al(OH) <sub>3</sub> )	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD 202
Sulfonic acids, C13-17-sec-alkane, sodium salts	EC50	7.5 mg/l	Daphnia	24 h	Daphnia magna	
Sodium hypochlorite	EC50	10 – 100 mg/l	Daphnia		Daphnia magna	OECD 202

**Toxicity to algae:**

Hazardous substances	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Calcium carbonate	EC50	> 200 mg/l	Algae	72 h		OECD 201
Sulfonic acids, C13-17-sec-alkane, sodium salts	EC50	95.5 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD 201
Sodium hypochlorite	EC50	0.4 mg/l	Algae	24 h	Dunaliella sp.	OECD 201

**Persistence and Degradability:**

Hazardous substances	Result Value	Route of application	Species	Method
Sulfonic acids, C13-17-sec-alkane, sodium salts	readily biodegradable	aerobic	71 %	EU Method C.4-E (closed bottle)

**Bioaccumulation Potential:** The bioaccumulation potential of this product has not been determined.

**Mobility:** The mobility of this product (in soil and water) has not been determined.

### 13. DISPOSAL CONSIDERATIONS

**Waste Number and Description:** D002 (Corrosivity)  
**Disposal Considerations:**  
**Disposal of products:** This product is a RCRA characteristic hazardous waste (corrosive) and must be disposed of in a RCRA Subtitle C landfill. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance  
**Disposal of packages:** Do not reuse this container. Dispose of container and unused contents in accordance with federal, state and local requirements.  
**Additional information:** Observe all federal, state and local regulations when storing or disposing of this substance

### 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Environmentally hazardous substance, liquid, N.O.S.  
**Hazard class or division:** 9  
**Identification number:** UN3082  
**Packing group:** III

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Environmentally hazardous substance, liquid, N.O.S.  
**Hazard class or division:** 9  
**Identification number:** UN3082  
**Packing group:** III

### 15. REGULATORY INFORMATION

**Occupational Safety and Health Act:** Hazard Communication Rule, 29 CFR 1910.1200: The Occupational Safety and Health Administration (OSHA) require Material Safety Data Sheets (MSDSs) to provide information about any hazard that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this MSDS may contain health hazard information not relevant to consumer use.

**United States Regulatory Information:**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

**TSCA 12 (b) Export Notification:** None above reporting de minimis  
**CERCLA/SARA Section 302 EHS** The following components are subject to reporting levels established by SARA Title III, Section 302:  
Hydrochloric acid (CAS# 7647-01-0).  
**CERCLA/SARA Section 311/312:** Not available.  
**CERCLA/SARA Section 313:** None above reporting de minimis  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

**Export Restrictions:** This is a pesticide product registered by the US Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Refer to the pesticide label for specific hazard information. The pesticide label also includes other important information, including directions for use.

**Canada Regulatory Information:**

**CEPA DSL/NDSL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

## 16. OTHER INFORMATION

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** R&D Support Services

**Issue date:** 08/11/2014

**Supersedes:** Rev. 5, 03/29/2011



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 19-Nov-2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SPARCLEAN DETERGENT II [49]  
**Product Number:** 7649 , 7649I  
**Recommended Use:** Machine dishwash detergent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin Corrosion/Irritation: Category 1 Sub-category B  
Serious Eye Damage/Eye Irritation: Category 1  
Corrosive to Metals: Category 1

#### GHS Label Elements

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Causes severe skin burns and serious eye damage.  
May be corrosive to metals.

#### Precautionary Statements:

**Prevention:**

Do not breathe mist, vapors or spray.  
Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**-Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Spill:**

Absorb spillage to prevent material damage.

**Storage:** Store locked up. Store in corrosion resistant container.  
**Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- Corrosive
- Harmful if swallowed
- Harmful contact may not cause immediate pain.
- Inhalation of vapors or mist may cause respiratory irritation or damage.
- Take off and destroy contaminated shoes.
- Keep out of reach of children
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Sodium Hydroxide	1310-73-2	10-30
Trisodium Dicarboxymethyl Alaninate	164462-16-2	1-5
Sodium Polyacrylate	9003-04-7	1-5

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Skin Contact:** Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. Discard or destroy contaminated shoes.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

**Note to Physicians:** NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

**Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Suggested Shelf Life:</b>	Minimum of 2 years from date of manufacture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves. Use of impervious apron, boots and other protective equipment should be considered in order to prevent or minimize contact with this product.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Mild
<b>pH:</b>	13.5-14.0
<b>Melting Point / Freezing Point:</b>	No information available
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F
<b>Evaporation Rate:</b>	> 1
<b>Flammability (solid, gas)</b>	No information available
<b>Upper Flammability Limit:</b>	No information available
<b>Lower Flammability Limit:</b>	No information available
<b>Vapor Pressure:</b>	No information available
<b>Vapor Density:</b>	No information available
<b>Specific Gravity:</b>	1.220
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available
<b>Autoignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Viscosity:</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.

**Possibility of Hazardous Reactions:** Contact with aluminum or other reactive metals may release hydrogen gas.  
**Conditions to Avoid:** Extremes of temperature and direct sunlight.  
**Incompatible Materials:** Strong oxidizing agents. Strong acids.  
**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.  
**Symptoms of Exposure:**  
**-Eye Contact:** Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.  
**-Skin Contact:** Pain, redness, blistering and possible chemical burn.  
**-Inhalation:** Irritation or damage to the mucus membranes of the respiratory tract. Inhalation of vapors in high concentration may cause irritation of respiratory system.  
**-Ingestion:** Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.  
**Immediate, Delayed, Chronic Effects**  
 Product Information: Data not available or insufficient for classification.

Target Organ Effects: -Eyes. Respiratory System. -Skin.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 2778 mg/kg  
 ATEmix (dermal): 7500 mg/kg

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
Sodium Hydroxide 1310-73-2	Not Available	= 1350 mg/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Sodium Hydroxide 1310-73-2	Not Available	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.  
**US EPA Waste Number:** D002

## 14. TRANSPORT INFORMATION

**DOT:**  
**UN/ID No:** UN1760



**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains sodium hydroxide)  
**Hazard Class:** 8  
**Packing Group:** II  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**  
**UN/ID No:** UN1760  
**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains sodium hydroxide)  
**Hazard Class:** 8  
**Packing Group:** II

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Instability:</b> 1	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Physical Hazards:</b> 1	

**Revision Date:** 19-Nov-2020  
**Reasons for Revision:** Section, 2, 3, and, 7

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 16-Mar-2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** SPARCLEAN SURE STEP [59]  
**Product Number:** 7659  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation: Category 2B

**GHS Label Elements**

**Signal Word:** **Warning**  
**Symbols:** No symbols  
**Hazard Statements:** Causes eye irritation.

**Precautionary Statements:**

**Prevention:** Wash hands and any exposed skin thoroughly after handling.

**Response:**

**-Eyes** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**-Specific Treatment:**

**Storage:** Not Applicable

**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May be harmful if swallowed.
- May cause skin irritation.
- Inhalation of vapors or mist may cause respiratory irritation.
- This product contains enzymes which may induce respiratory sensitization and may cause allergic respiratory reactions in sensitized individuals.
- Avoid breathing product mist.
- Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
---------------	--------	----------

Water	7732-18-5	60-100
Sodium Xylenesulfonate	1300-72-7	7-13
C9-11 Pareth-6	68439-46-3	1-5
Tetrasodium EDTA	64-02-8	1-5
Lauramine Oxide	1643-20-5	1-5
Citric Acid	77-92-9	0.1-1
Lipase	9001-62-1	<0.1
Fragrance	PROPRIETARY	<0.1
Orange Terpenes	68647-72-3	<0.1
Methylchloroisothiazolinone	26172-55-4	<0.1
CI 59040	6358-69-6	<0.1
Colorant	PROPRIETARY	<0.1
Methylisothiazolinone	2682-20-4	<0.1
Cyclotetrasiloxane	556-67-2	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
- Suggested Shelf Life:** Minimum of 2 years from date of manufacture.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Not required with expected use.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	No information available.
<b>Odor:</b>	No information available.
<b>pH:</b>	7.0-8.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.063
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness and swelling of the conjunctiva.
<b>-Skin Contact:</b>	Drying of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 6004 mg/kg  
ATEmix (dermal): 57390 mg/kg

#### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
Sodium Xylenesulfonate 1300-72-7	= 1000 mg/kg ( Rat )	Not Available	Not Available
C9-11 Pareth-6 68439-46-3	= 1400 mg/kg ( Rat )	Not Available	Not Available
Tetrasodium EDTA 64-02-8	= 1658 mg/kg ( Rat )	Not Available	Not Available
Citric Acid 77-92-9	= 3 g/kg ( Rat )	Not Available	Not Available
Methylchloroisoithiazolinone 26172-55-4	= 481 mg/kg ( Rat )	Not Available	= 1.23 mg/L ( Rat ) 4 h
Cyclotetrasiloxane 556-67-2	= 1540 mg/kg ( Rat )	= 794 µL/kg ( Rabbit )	= 36 g/m <sup>3</sup> ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Tetrasodium EDTA 64-02-8	1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static	Not Available	Not Available
Citric Acid 77-92-9	Not Available	1516: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	Not Available	Not Available
Methylchloroisoithiazolinone 26172-55-4	0.11 - 0.16: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 0.03 - 0.13: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static	1.6: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static	Not Available	4.71: 48 h <i>Daphnia magna</i> mg/L EC50 0.12 - 0.3: 48 h <i>Daphnia magna</i> mg/L EC50 Flow through 0.71 - 0.99: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Cyclotetrasiloxane 556-67-2	Not Available	500: 96 h <i>Brachydanio rerio</i> mg/L LC50 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50	Not Available	Not Available

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Product

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product does not contain listed substances above the "de minimus" level

### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Instability: 0</b>	<b>Special: N/A</b>
<b>HMIS</b>	<b>Health Hazards: 1</b>	<b>Flammability: 0</b>	<b>Physical Hazards: 0</b>	

**Revision Date:** 16-Mar-2020  
**Reasons for Revision:** Section, 2, 3, and, 11

### **Disclaimer:**

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**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 17-Sep-2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SPARCLING  
**Product Number:** 7118 , 7108  
**Recommended Use:** Disinfectant  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Acute Toxicity - Inhalation (Gases): Category 4  
Acute toxicity - Inhalation (Dusts/Mists) Category 4  
Skin Corrosion/Irritation: Category 1 Sub-category B  
Serious Eye Damage/Eye Irritation: Category 1  
Corrosive to Metals: Category 1

#### **GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Harmful if inhaled.  
Causes severe skin burns and serious eye damage.  
May be corrosive to metals.

#### **Precautionary Statements:**

**Prevention:**

Use only outdoors or in a well-ventilated area  
Do not breathe mist, vapors or spray.  
Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**-Eyes**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

**-Inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

<b>-Ingestion:</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
<b>-Specific Treatment:</b>	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
<b>Spill:</b>	Absorb spillage to prevent material damage.
<b>Storage:</b>	Store locked up. Store in corrosion resistant container.
<b>Disposal:</b>	Dispose of contents and container in accordance with local, state and federal regulations.
<b>Hazards Not Otherwise Classified:</b>	Not Applicable
<b>Other Information:</b>	<ul style="list-style-type: none"> <li>• Corrosive.</li> <li>• Harmful if swallowed</li> <li>• Do not mix with hypochlorite-type bleach or other household chemicals as hazardous vapors or gases may be produced.</li> <li>• Keep out of reach of children.</li> <li>• NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</li> </ul>

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Hydrochloric Acid	7647-01-0	5-10
Tallow Dihydroxyethyl Betaine	70750-46-8	1-5
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride	68424-85-1	0.1-1
Fragrance	PROPRIETARY	<0.1
Methyl Salicylate	119-36-8	<0.1
Benzyl Acetate	140-11-4	<0.1
Acid Blue 9	3844-45-9	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin Contact:</b>	Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
<b>Note to Physicians:</b>	NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic. Contact with metals may evolve flammable hydrogen gas.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES



<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.
<b>Suggested Shelf Life:</b>	1 year from date of manufacture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Hydrochloric Acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m <sup>3</sup> Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>
Benzyl Acetate 140-11-4	TWA: 10 ppm	-	-

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves. Use of impervious apron, boots and other protective equipment should be considered in order to prevent or minimize contact with this product.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Green
<b>Odor:</b>	Mint fragrance
<b>pH:</b>	< 1.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F ASTM D56
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.04
<b>Solubility(ies):</b>	Soluble in water
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Sodium hypochlorite (or other hypochlorites). Strong bases. Reactive metals such as aluminum, zinc and tin.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
<b>-Ingestion:</b>	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.
<b>Target Organ Effects:</b>	-Eyes. Respiratory System. -Skin.
<b>Numerical Measures of Toxicity</b>	
The following acute toxicity estimates (ATE) are calculated based on the GHS document.	
ATEmix (oral):	5068 mg/kg
ATEmix (dermal):	26843 mg/kg
ATEmix (inhalation-gas):	15152 mg/l
ATEmix (inhalation-dust/mist):	4.6 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available

Hydrochloric Acid 7647-01-0	238 - 277 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 1.68 mg/L ( Rat ) 1 h
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride 68424-85-1	= 426 mg/kg ( Rat )	Not Available	Not Available
Methyl Salicylate 119-36-8	= 887 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	Not Available
Benzyl Acetate 140-11-4	= 2490 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	Not Available

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

### DOT:

**UN/ID No:** UN1760

**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains hydrochloric (muriatic) acid)

**Hazard Class:** 8

**Packing Group:** II

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

### IMDG:

**UN/ID No:** UN 1760

**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains hydrochloric (muriatic) acid)

**Hazard Class:** 8

**Packing Group:** II

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### SARA 313

This product contains the following listed substances:

#### Hydrochloric Acid

CAS No 7647-01-0 acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size

### SARA 311/312 Hazard Categories

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**EPA Pesticide Registration Number:** 5741-17

**EPA Statement:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label:**

Danger. Corrosive. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing vapor or spray mist. Wear coveralls over long-sleeved shirt and long pants, socks and chemical-resistant footwear, goggles or face shield, and chemical resistant gloves (such as barrier laminate or butyl) rubber, nitrile rubber, neoprene rubber, PVC or viton). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Instability:</b> 0	<b>Special:</b> N/A
<b>HMIS</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 0	<b>Physical Hazards:</b> 0	

<b>Revision Date:</b>	17-Sep-2019
<b>Reasons for Revision:</b>	Section, 2, 3, 13, and, 14

**Disclaimer:**

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**End of Safety Data Sheet**

# SAFETY DATA SHEET

Spectrum Group  
Division of United Industries Corp  
P.O. Box 142642  
St. Louis, MO 63114-0642

Product Name: Spectracide Wasp & Hornet Killer;  
Phone: 1-800-917-5438  
Items: HG-75715; HG-95715-3; HG-95865  
Formula Code: 21-1058, 21-0666, 01-1006

**SDS Date:** 2/17/2015  
**Product Name:** Spectracide Wasp & Hornet Killer;  
**EPA Reg. No. 9688-190-8845**

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**CAS #:** Aerosol  
**Product Use:** Wasp & Hornet Killer Aerosol  
**Manufacturer:** Chemsico  
Div. of United Industries Corp.  
P.O. Box 142642  
St. Louis, MO 63114

## SECTION 2 - HAZARDS IDENTIFICATION

This product is classified according to the Global Harmonization System (GHS).

### ROUTES OF EXPOSURE

**Potential short term health effects:** Skin, Ingestion  
**Eyes:** No expected reaction.  
**Skin:** May cause irritation.  
**Inhalation:** No expected reaction.  
**Ingestion:** May cause stomach distress, nausea or vomiting.  
**Target organs:** Skin, Digestive system  
**Chronic effects:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.  
**Signs and symptoms:** Symptoms may include redness, edema, drying, defatting and cracking of the skin.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**Composition comments:** This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

**NOTE: No reportable quantities of hazardous ingredients are present per OSHA 29 CFR 1910.1200. No toxic chemical(s) subject to reporting requirements of Section 313 of Title III and 40 CFR 372 are present.**

ACTIVE COMPONENT	CAS#	PERCENTAGE
Lambda-cyhalothrin	91465-08-6	0.010%
Prallethrin	23031-36-9	0.025%
Petroleum Distillates, light	64742-47-8	3.500%
Butyl Propasol	5131-66-8	3.000%
Propane	74-98-6	3.500%

OTHER COMPONENT	CAS#	PERCENTAGE
Other	N/A	89.965

Note: Ingredients not identified are not hazardous.

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## SAFETY DATA SHEET

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Spectrum Group  
Division of United Industries Corp  
P.O. Box 142642  
St. Louis, MO 63114-0642

Product Name: Spectracide Wasp & Hornet Killer;  
Phone: 1-800-917-5438  
Items: HG-75715; HG-95715-3; HG-95865  
Formula Code: 21-1058, 21-0666, 01-1006

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### SECTION 4 - FIRST AID MEASURES

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#### FIRST AID PROCEDURES

**Eye contact:** None required.

**Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

**Inhalation:** None required.

**Ingestion:** Immediately call a Poison Control Center or doctor. Do not induce vomiting unless told to do so by a Poison Control Center. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Note to Physician:** Contains petroleum distillates – vomiting may cause aspiration pneumonia.

**General advice:** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

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### SECTION 5 - FIRE FIGHTING MEASURES

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**Flammable properties:** Pressurized Aerosol Container

#### SUITABLE EXTINGUISHING MEDIA

**Extinguishing media:** Water Fog, Foam, CO<sub>2</sub>, Dry Chemical

**Unsuitable extinguishing media:** Not Available

#### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

**Protection of firefighters:** Not Available

**Protective equipment for firefighters:** Firefighters should wear full protective clothing including self-contained breathing apparatus.

**Hazardous combustion products:** None known

#### SENSITIVITY TO MECHANICAL IMPACT

**Explosion data:** Not Available

**Sensitivity to static discharge:** Not Available

**Personal precautions:** Keep unnecessary personnel away. Do not touch or walk through spilled material.

HMIS Ratings    Health Hazard 1    Fire Hazard 2    Reactivity 0

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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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**Methods for containment:** Prevent entry into waterways, sewers, basements or confined areas.

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## SAFETY DATA SHEET

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Spectrum Group  
Division of United Industries Corp  
P.O. Box 142642  
St. Louis, MO 63114-0642

Product Name: Spectracide Wasp & Hornet Killer<sub>3</sub>  
Phone: 1-800-917-5438  
Items: HG-75715; HG-95715-3; HG-95865  
Formula Code: 21-1058, 21-0666, 01-1006

---

### Methods for cleaning up:

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

---

## SECTION 7 - HANDLING AND STORAGE

---

### Handling:

Use good industrial hygiene practices in handling this material.

### Storage:

Keep out of reach of children. Store in a closed container away from incompatible materials.

---

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

### Engineering controls:

General ventilation normally adequate.

### EYE / FACE PROTECTION

#### Personal protective equipment:

None required

#### Hand protection:

None required

#### Skin and body protection:

None required

#### Respiratory protection:

None required

#### General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

---

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

---

### Appearance:

Clear

### Color:

Light yellow to water-white

### Form:

Aerosol

### Odor:

Aromatic solvent (slight)

### Odor threshold:

Not Available.

### Physical state:

Pressurized liquid

### pH:

7.0-7.5

### Freezing point:

32°F

### Boiling point:

212°F

### Flash point:

119°F (liquid portion)

### Flame Extension

0" (level 1 aerosol)

### Flammability limits in air, lower, % by volume:

Not Available

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## SAFETY DATA SHEET

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Spectrum Group  
Division of United Industries Corp  
P.O. Box 142642  
St. Louis, MO 63114-0642

Product Name: Spectracide Wasp & Hornet Killers  
Phone: 1-800-917-5438  
Items: HG-75715; HG-95715-3; HG-95865  
Formula Code: 21-1058, 21-0666, 01-1006

---

<b>Flammability limits in air, upper, % by volume:</b>	Not Available
<b>Vapor pressure:</b>	Not Available
<b>Vapor density:</b>	Not Available
<b>Specific gravity:</b>	0.973
<b>Octanol/water coefficient:</b>	Not Available
<b>Auto-ignition temperature:</b>	Not Available

---

### SECTION 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

---

<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Do not mix with other chemicals.
<b>Incompatible materials:</b>	Avoid strong oxidizers.
<b>Hazardous decomposition products:</b>	None known.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.

---

### SECTION 11 - TOXICOLOGICAL INFORMATION

---

#### EFFECTS OF ACUTE EXPOSURE

<b>Eye:</b>	None expected.
<b>Skin:</b>	May cause irritation.
<b>Inhalation:</b>	LC <sub>50</sub> > 2mg/L (EPA Tox category IV)
<b>Ingestion:</b>	LD <sub>50</sub> > 5000 mg/kg
<b>Sensitization:</b>	Not a skin sensitizer.
<b>Chronic effects/ Carcinogenicity:</b>	Not Available
<b>Mutagenicity:</b>	Not Available
<b>Reproductive effects:</b>	Not Available
<b>Teratogenicity:</b>	Not Available
<b>Ecotoxicity:</b>	Not Available

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### SECTION 12 - ECOLOGICAL INFORMATION

---

<b>Environmental effects:</b>	Not Available
<b>Aquatic toxicity:</b>	Toxic to aquatic organisms
<b>Persistence / degradability:</b>	Not Available
<b>Bioaccumulation / accumulation:</b>	Not Available
<b>Partition coefficient:</b>	Not Available
<b>Mobility in environmental media:</b>	Not Available
<b>Chemical fate information:</b>	Not Available



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# SAFETY DATA SHEET

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Spectrum Group  
Division of United Industries Corp  
P.O. Box 142642  
St. Louis, MO 63114-0642

Product Name: Spectracide Wasp & Hornet Killer<sub>3</sub>  
Phone: 1-800-917-5438  
Items: HG-75715; HG-95715-3; HG-95865  
Formula Code: 21-1058, 21-0666, 01-1006

---

## SECTION 13 - DISPOSAL CONSIDERATIONS

---

<b>Waste codes:</b>	Not Available
<b>Disposal instructions:</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products:</b>	Not Available
<b>Contaminated packaging:</b>	Not Available

---

## SECTION 14 - TRANSPORTATION INFORMATION

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<b>U.S. Department of Transportation (DOT):</b>	Aerosols, Flammable 2.1, UN-1950, Limited Quantity
<b>U.S. Federal regulations:</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
<b>IATA:</b>	1950, Aerosols, Flammable, 2.1
<b>IMDG:</b>	1950, Aerosols, (lambda-cyhalothrin), Marine Pollutant, 2.1, Limited Quantity

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## SECTION 15 - REGULATORY INFORMATION

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<b>29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA):</b>	No
<b>CERCLA (Superfund) reportable quantity:</b>	Not Available

### HAZARD CATEGORIES

#### Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

<b>Section 302 extremely hazardous Substance:</b>	No
<b>Section 311 hazardous chemical:</b>	No
<b>Clean Air Act (CAA):</b>	Not Available
<b>Clean Water Act (CWA):</b>	Not Available
<b>State regulations:</b>	

### INVENTORY STATUS

<b>Inventory Country(s) or region name on inventory (yes/no)*:</b>	N/A, Regulated by EPA
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**SAFETY DATA SHEET**

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Spectrum Group  
Division of United Industries Corp  
P.O. Box 142642  
St. Louis, MO 63114-0642

Product Name: Spectracide Wasp & Hornet Killer;  
Phone: 1-800-917-5438  
Items: HG-75715; HG-95715-3; HG-95865  
Formula Code: 21-1058, 21-0666, 01-1006

---

**Disclaimer:**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**SECTION 16 - OTHER INFORMATION**

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**Issue date:**

2/17/2015

**Prepared by:**

United Industries Corp.  
(800) 242-1166

<b>SECTION 1 - PRODUCT IDENTIFICATION AND USE</b>	
PRODUCT IDENTIFIER : SPECTRUM LEAD FREE 900 CLEAR	PRODUCT IDENTIFICATION NUMBER 900
PRODUCT USE : CERAMIC GLAZE	
MANUFACTURER'S NAME SPECTRUM GLAZES INC.	SUPPLIER'S NAME SPECTRUM GLAZES INC.
STREET ADDRESS: 273 BOWES RD, UNIT A1	STREET ADDRESS: 273 BOWES RD, UNIT A1
CITY: CONCORD PROVINCE: ONTARIO	CITY: CONCORD PROVINCE: ONTARIO
POSTAL CODE: L4K1H8 EMERGENCY TEL(905)695-8355	POSTAL CODE: L4K1H8 EMERGENCY TEL(905)695-8355

SECTION 2 - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENTS (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES)
SiO2	25-33	14808-60-7	ILV 15mg/m3 OSHA/TWA	
CaO	5-10	1305-78-8		
Na2O	2-5	1313-59-3		
Al2O3	3-7	1344-28-1		
B2O3	4-8	1303-86-2		
ZrO2	4-7	1314-23-4		
CuO	.5-1.5	1317-38-0		
MnO2	1-2	1313-13-9		

SECTION 3 - PHYSICAL DATA				
PHYSICAL STATE LIQUID	ODOUR AND APPEARANCE ODOURLESS LIQUID			ODOUR THRESHOLD (PPM) N.A.
VAPOUR PRESSURE (mm Hg) N.A.	VAPOUR DENSITY (AIR=1)	EVAPORATION RATE N.A.	BOILING POINT (C) N.A.	FREEZING POINT (C) N.A.
pH 6.5-7	SPECIFIC GRAVITY 1.6-2.0	COEFF. WATER/OIL DIST. N.A.		

SECTION 4 - FIRE AND EXPLOSION DATA		
FLAMMABILITY YES__ NO X FLAMES UNDER WHICH CONDITIONS : THIS PRODUCT DOES NOT SUPPORT COMBUSTION		
MEANS OF EXTINCTION NO SPECIAL MEANS REQUIRED		
FLASHPOINT AND METHOD NONE	UPPER FLAMMABLE LIMIT (% BY VOLUME) N.A.	LOWER FLAMMABLE LIMIT (% BY VOLUME) N.A.
AUTOIGNITION TEMP. (C) N.A.	HAZARDOUS COMBUSTION PRODUCTS NONE	
EXPLOSION DATA N.A.	SENSITIVITY IMPACT N.A.	ACTIVITY TO STATIC DISCHARGE N.A.

SECTION 5 - REACTIVITY DATA	
CHEMICAL STABILITY YES X NO__ IF NO, UNDER WHICH CONDITIONS	
INCOMPATIBILITY WITH OTHER SUBSTANCES YES__ NO X IF SO WHICH ONES REACTIVITY	
REACTIVITY AND UNDER WHAT CONDITIONS: NO REACTIVITY	
HAZARDOUS DECOMPOSITION PRODUCT: MATERIAL IS STABLE, NO POLYMERIZATION BUT TOXIC FUMES MAY BE RELEASED WHEN MATERIAL IS MELTED.	

PRODUCT IDENTIFIER SPECTRUM LEAD FREE 900 CLEAR

**SECTION 6 - TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY  
SKIN CONTACT      SKIN ABSORPTION X      EYE CONTACT X      INHALATION      INGESTION X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: SKIN IRRITATION DUE TO ABRASIVENESS.  
EYE EXPOSURE COULD CAUSE IRRITATION BUT NO TOXIC EFFECTS.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: METAL FUMES IN THE VAPOURS FROM FIRING CERAMIC GLAZES MAY CAUSE LUNG INFLAMATION AND DAMAGE TO KIDNEY AND NERVOUS SYSTEM.

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS

**SECTION 7 - PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY) WORK GLOVES	RESPIRATOR (SPECIFY) APPROVED DUST MASK	EYE (SPECIFY) SAFETY GLASSES
FOOTWEAR (SPECIFY)	CLOTHING (SPECIFY)	OTHER (SPECIFY)

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS)  
VENTILATION SHOULD BE USED WHEN SPRAYING GLAZES.

LEAK AND SPILL PROCEDURE: SCOOP INTO SUITABLE RECEPTACLE. DO NOT WASH DOWN DRAIN.

WASTE DISPOSAL: SEND TO APPROVED SITE IN ACCORDANCE WITH REGULATIONS.

HANDLING PROCEDURES AND EQUIPMENT: NO SPECIAL EQUIPEMENT NEEDED. FOLLOW STANDARD PLANT HYGIENE PROCEDURE.

STORAGE REQUIREMENTS: STORE IN DRY AREAS.

SPECIAL SHIPPING INFORMATION: PROTECT AGAINST PHYSICAL DAMAGE. DOT LABEL NON-REGULATED

**SECTION 8 - FIRST AID MEASURES**

SPECIFIC MEASURES: GLAZE CONTAINS THE OXIDES LISTED IN THE CHEMICAL FORMULA IN FORM OF CERAMIC FRIT. SOME OF THESE OXIDES ARE ON THE INGREDIENT DISCLOSURE LIST, ONCE THESE OXIDES ARE FUSED AND CONVERTED INTO FRIT THEY ARE NO LONGER AVAILABLE IN TOXIC FORM EVEN THOUGH TESTING WOULD DETECT THE PRESENCE OF THESE OXIDES. (FRIT IS ESSENTIALLY AN INSOLUBLE SUBSTANCE). THE OXIDES ARE PRESENT IN THE FORM OF A SINTERED CERAMIC STAIN OF LOW SOLUBILITY. THESE INGREDIENTS ARE PRESENT IN A STABLE AQUEOUS SUSPENSION.

**SECTION 9 - PREPARATION DATE OF MSDS**

PREPARED BY (GROUP, DEPARTMENT, ETC.) TECHNICAL DEPT.	PHONE NUMBER: (416) 747-8310	DATE 1 AUGUST 2012
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# SAFETY DATA SHEET

7/7/2015

## SECTION I - IDENTIFICATION

### Material Name

SPEEDBALL W/S BLOCK PRINTING INK

### Manufacturer Information

Speedball Art Products Co.  
P.O. Box 5157  
2301 Speedball Road  
Statesville, NC 28677  
Phone: 704-978-4166  
Fax: 1-704-838-1472  
Email: budmartin@speedballart.com

For transportation emergencies only call: 1-800-898-7224

For health emergencies call the Poison Control Center: 1-800-222-1222

## SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

There are no GHS label elements.

PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, EYE, SKIN

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: NONE EXPECTED

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: NONE EXPECTED

CARCINOGEN LISTING: NTP: **NO** IARC: **NO** OSHA: **NO**

SEE SECTION III FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: NONE

## SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS/EC #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % Weight</u>	<u>NTP</u>	<u>IARC</u>
None					

## SECTION IV - FIRST AID MEASURES

FIRST AID MEASURES: NONE REQUIRED. NO ACUTE HEALTH EFFECTS EXPECTED.

## SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED  
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED  
UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

## **SECTION VI - ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section XIII

## **SECTION VII - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

## **SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: NONE REQUIRED  
OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): NONE REQUIRED  
WORK/HYGIENE PRACTICES: NONE REQUIRED  
ENGINEERING CONTROLS: NONE REQUIRED

## **SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: N/A	MELTING POINT: N/A
VAPOR PRESSURE: N/A	
SPECIFIC VAPOR DENSITY (AIR=1): N/A	SPECIFIC GRAVITY: N/A
SOLUBILITY IN WATER: N/A	REACTIVITY IN WATER: NON-REACTIVE

## **SECTION X - STABILITY AND REACTIVITY**

HAZARDOUS POLYMERIZATION PRODUCTS: NONE  
STABILITY: STABLE CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY (MATERIALS TO AVOID): NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

## **SECTION XI - TOXICOLOGICAL INFORMATION**

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: NONE EXPECTED  
The summated LD50 is 8546.6 mg/kg.  
The summated LC50 is 99999 mg/cubic meter.  
This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section III)

## **SECTION XII - ECOLOGICAL INFORMATION**

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

## **SECTION XIII - DISPOSAL CONSIDERATIONS**

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.  
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## **SECTION XIV - TRANSPORTATION INFORMATION**

U.S. DOT (49 CFR 172.101); THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

## SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200  
EPA SARA TITLE III CHEMICAL LISTINGS  
NONE

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):  
NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372):  
ALUMINUM

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

ALUMINUM  
FERRIC OXIDE  
GUM ARABIC  
MICA  
OCTYLPHENOXYPOLYETHOXYETHANOL  
PROPYLENE GLYCOL

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

AMMONIUM HYDROXIDE  
GUM ARABIC  
MICA  
PIGMENT RED 101  
PIGMENT WHITE 6  
SODIUM NITRATE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:  
NONE

Under CPSC's consumer product regulations (16CFR1500.3 and 150014), this product has the following required acute and chronic hazard labeling:

NONE

## SECTION XVI - OTHER INFORMATION

LAST REVISION DATE: 07/07/2015

Prepared by Duke OEM Toxicology

## COLOR INFORMATION

THIS SDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS

<b>Product Color</b>	<b>SKU</b>	<b>Hazardous Ingredient</b>
3400 BLACK		(NONE)
3401 RED		(NONE)
3402 BLUE		(NONE)
3403 WHITE		(NONE)
3404 GREEN		(NONE)
3405 YELLOW		(NONE)
3406 BROWN		(NONE)
3407 ORANGE		(NONE)
3408 VIOLET		(NONE)
3409 TURQUOISE		(NONE)
3410 MAGENTA		(NONE)
3411 LIGHT RED		(NONE)
3412 DARK YELLOW		(NONE)
3413 GOLD		(NONE)
3414 SILVER		(NONE)
3448 RETARDER		(NONE)
3449 EXTENDER		(NONE)
COPPER		(NONE)
PEWTER		(NONE)
PLATINUM WHITE		(NONE)
PROCESS CYAN		(NONE)
PROCESS MAGENTA		(NONE)
PROCESS YELLOW		(NONE)



## BRAND NAMES

THIS SDS APPLIES TO THE FOLLOWING BRAND NAMES

<u>Brand Name</u>	<u>SKU</u>	<u>SKU Description</u>
SPEEDBALL W/S BLOCK PRINTING INK		
DICK BLICK W/S BLOCK PRINTING INK		
SAX TRUE FLOW WATER SOLUBLE BLOCK PRINTING INK		
TRIARCO BLOCK INK		
NASCO WATER SOLUBLE BLOCK PRINTING INK-STUDIO QUALITY		

# SAFETY DATA SHEET



Date of issue/Date of revision 13 June 2020

Version 13

## Section 1. Identification

**Product name** : 6-7 PPG PAINTS SPEEDHIDE INTERIOR/EXTERIOR BLOCK FILLER LATEX WHITE  
**Product code** : 00352296  
**Other means of identification** : Not available.  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Consumer applications, Professional applications.  
**Use of the substance/ mixture** : Coating.  
**Uses advised against** : Not applicable.

**Manufacturer** : PPG Industries, Inc.  
One PPG Place  
Pittsburgh, PA 15272

**Emergency telephone number** : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
SETIQ Interior de la República: 800-00-214-00 (México)  
SETIQ Ciudad de México: (55) 5559-1588 (México)

**Technical Phone Number** : 1-800-441-9695 (8:00 am to 5:00 pm EST)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 1A

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 6.2% (Oral), 60.9% (Dermal), 6.2% (Inhalation)

This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

### GHS label elements

## Section 2. Hazards identification

<b>Hazard pictograms</b>	:	
<b>Signal word</b>	:	Danger
<b>Hazard statements</b>	:	May cause cancer.
<b>Precautionary statements</b>	:	
<b>Prevention</b>	:	Obtain special instructions before use. Wear protective gloves. Wear protective clothing. Wear eye or face protection.
<b>Response</b>	:	IF exposed or concerned: Get medical advice or attention.
<b>Storage</b>	:	Store locked up.
<b>Disposal</b>	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	:	Contains isothiazolinones. May cause allergic reaction. Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Emits toxic fumes when heated.
<b>Hazards not otherwise classified</b>	:	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	:	Mixture
<b>Product name</b>	:	6-7 PPG PAINTS SPEEDHIDE INTERIOR/EXTERIOR BLOCK FILLER LATEX WHITE

Ingredient name	%	CAS number
Limestone	≥20 - ≤50	1317-65-3
Kaolin	≥5.0 - ≤10	1332-58-7
titanium dioxide	≥1.0 - ≤5.0	13463-67-7
crystalline silica, respirable powder (<10 microns)	<1.0	14808-60-7

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

## Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon oxides  
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Limestone	<b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
Kaolin	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>ACGIH TLV (United States, 3/2019).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
titanium dioxide	<b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>ACGIH TLV (United States, 3/2019).</b>
crystalline silica, respirable powder (<10 microns)	TWA: 10 mg/m <sup>3</sup> 8 hours. <b>ACGIH TLV (United States, 3/2019).</b> TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable <b>OSHA PEL Z3 (United States, 6/2016).</b>

## Section 8. Exposure controls/personal protection

TWA: 10 mg/m<sup>3</sup> / (%SiO<sub>2</sub>+2) 8 hours. Form: Respirable  
 TWA: 250 mppcf / (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable  
**OSHA PEL (United States, 5/2018).**  
 TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable dust

### Key to abbreviations

A	= Acceptable Maximum Peak	S	= Potential skin absorption
ACGIH	= American Conference of Governmental Industrial Hygienists.	SR	= Respiratory sensitization
C	= Ceiling Limit	SS	= Skin sensitization
F	= Fume	STEL	= Short term Exposure limit values
IPEL	= Internal Permissible Exposure Limit	TD	= Total dust
OSHA	= Occupational Safety and Health Administration.	TLV	= Threshold Limit Value
R	= Respirable	TWA	= Time Weighted Average
Z	= OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances		

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : >37.78°C (>100°F)
- Flash point** : Closed cup: Not applicable. [Product does not sustain combustion.]
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Evaporation rate** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.59
- Density ( lbs / gal )** : 13.27
- Solubility** : Soluble in the following materials: cold water.
- Partition coefficient: n-octanol/water** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): >0.21 cm<sup>2</sup>/s (>21 cSt)
- Volatility** : 55% (v/v), 34.298% (w/w)
- % Solid. (w/w)** : 65.702

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.



## Section 10. Stability and reactivity

**Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

**Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Limestone	LD50 Oral	Rat	6450 mg/kg	-
Kaolin	LC50 Inhalation Dusts and mists	Rat	>5.07 mg/l	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Carcinogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
titanium dioxide	-	2B	-
crystalline silica, respirable powder (<10 microns)	-	1	Known to be a human carcinogen.

Carcinogen Classification code:

## Section 11. Toxicological information

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
crystalline silica, respirable powder (<10 microns)	Category 1	inhalation	-

### Target organs

: Contains material which causes damage to the following organs: eyes.  
Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, stomach.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** : There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic

## Section 11. Toxicological information

effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Limestone	6450	N/A	N/A	N/A	N/A

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Limestone	Acute LC50 >56000 mg/l	Fish	96 hours
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class (es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.
<b>Marine pollutant substances</b>	Not applicable.	Not applicable.	Not applicable.

### Additional information

**DOT** : None identified.

**IMDG** : None identified.

**IATA** : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not applicable.

## Section 15. Regulatory information

### United States

United States inventory (TSCA 8b) :  All components are active or exempted.

#### SARA 302/304

SARA 304 RQ : Not applicable.

#### Composition/information on ingredients

No products were found.

#### SARA 311/312

Classification : CARCINOGENICITY - Category 1A

#### Composition/information on ingredients

Name	%	Classification
titanium dioxide	≥1.0 - ≤5.0	CARCINOGENICITY - Category 2
crystalline silica, respirable powder (<10 microns)	<1.0	CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

### California Prop. 65

 **WARNING:** Cancer - www.P65Warnings.ca.gov.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 1 \* Flammability : 0 Physical hazards : 0

(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)

Health : 1 Flammability : 0 Instability : 0

Date of previous issue : 5/5/2020

Organization that prepared the MSDS : EHS

#### Key to abbreviations

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

## Section 16. Other information

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

SGG = Segregation Group

UN = United Nations

✔ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

# SAFETY DATA SHEET



Issuing Date: 15-Jan-2015

Revision Date: 07-Apr-2015

Version 2

## 1. IDENTIFICATION

**Product Name** Spic and Span® Floor and Multi-Surface Cleaner -Concentrate

**Product Code(s)** 4-40

**Product ID:** 15154370\_PROF\_NG

**Product Type:** Finished Product - Professional Use Only

**Recommended Use** Floor Care

**Restrictions on Use** Use only as directed on label.

**Manufacturer** Procter & Gamble Professional  
2 P&G Plaza  
Cincinnati, Ohio 45202

Procter & Gamble Inc.  
P.O. Box 355, Station A  
Toronto, ON M5W 1C5

1-800-332-7787

**E-mail Address** pgsds.im@pg.com

**Emergency Telephone** Transportation (24 HR)  
CHEMTREC - 1-800-424-9300  
(U.S./ Canada) or 1-703-527-3887  
Mexico toll free in country: 800-681-9531

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

**Hazard Category**

**Eye Damage / Irritation** Category 2A

**Signal Word** WARNING

**Hazard Statements** Causes serious eye irritation

**Hazard pictograms**



**Precautionary Statements - Prevention** None

**Precautionary Statements - Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF SWALLOWED:  
Drink 1 or 2 glasses of water

**Precautionary Statements - Storage** None

**Precautionary Statements - Disposal** None

**Hazards not otherwise classified (HNOC)** None

**INGREDIENT INFORMATION ON INGREDIENTS**

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	-	No	68081-81-2	5 - 10
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	-	No	68585-34-2	5 - 10
Benzenesulfonic acid, (1-methylethyl)-, sodium salt (1:1)	-	No	28348-53-0	5 - 10
Ethanol	-	No	64-17-5	1 - 5

**FIRST AID MEASURES**

First aid measures for different exposure routes

**Eye contact** Rinse with plenty of water. Get medical attention immediately if irritation persists.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

Indication of immediate medical attention and special treatment needed, if necessary



Notes to Physician Treat symptomatically.

**5 FIRE FIGHTING MEASURES**

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** None.

**Special hazard** None known.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific hazards arising from the chemical** None.

**6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

**Methods and materials for containment and cleaning up**

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**7 HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

**8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Ethanol	64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>
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Ingredient	CAS No.	OSHA PEL	NIOSH REL	IDLH
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm STEL: 1000 ppm

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures**

**Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Use appropriate eye protection

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of insufficient ventilation wear suitable respiratory equipment

**Physical State @20°C**

liquid

**Appearance**

green

**Odor**

Scented

**Odor threshold**

No information available

**Property**

Values

Note

**pH value**

10.2 - 11.0

**Melting/freezing point**

No information available

**Boiling point/boiling range**

No information available

**Flash point**

57 °C / 134.6 °F

Product is an aqueous solution containing <= 24% alcohol and > 50% water

**Evaporation rate**

No information available

**Flammability (solid, gas)**

No information available

**Flammability Limits in Air**

Upper flammability limit	No information available
Lower Flammability Limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	1.14-1.16
Water solubility	100%
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity of Product	No information available

VOC Content (%) Products comply with US state and federal regulations for VOC content in consumer products.

**STABILITY AND REACTIVITY**

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	None under normal processing.
Materials to avoid	None in particular.
Hazardous Decomposition Products	None under normal use.

**TOXICOLOGICAL INFORMATION**

Product Information

Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	No known effect.
Eye contact	Causes serious eye irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No known effect.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	Causes serious eye irritation.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

Component Information

Benzenesulfonic acid,	68081-81-2	1090.00 mg/kg (rat)	-	-
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mono-C10-16-alkyl derivs., sodium salts				
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	>2001 mg/kg	-	-
Benzenesulfonic acid, (1-methylethyl)-, sodium salt (1:1)	28348-53-0	5160.00 mg/kg (rat)	-	-
Ethanol	64-17-5	10470 mg/kg bw (OECD 401)	> 15800 mg/kg bw (Rabbit)	116.9 mg/L air (//OECD 403)

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 331

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.  
Ethanol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

**U.S. State Regulations (RTK)**

Chemical Name	CAS No.	New Jersey
Ethanol	64-17-5	X
Ethanol	64-17-5	X
Ethanol	64-17-5	X
Sulfuric acid sodium salt (1:2)	7757-82-6	X

**International Inventories**

**United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

**HMIS Ratings**

Health hazard 2  
Flammability 2  
Physical hazard 0

Health hazard 2  
Flammability 2  
Instability 0

Issuing Date: 15-Jan-2015

Revision Date: 07-Apr-2015

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS

**1. IDENTIFICATION**

**Product Name** Spic and Span® Disinfecting All-Purpose Spray and Glass Cleaner - Ready to Use

**Product Code(s)** 3-00

**Product ID:** 92157794\_PROF\_NG

**Product Type:** Finished Product - Professional Use Only

**Recommended Use** Disinfectant

**Restrictions on Use** Use only as directed on label.

**Manufacturer** Procter & Gamble Professional  
2 P&G Plaza  
Cincinnati, Ohio 45202

Procter & Gamble Inc.  
P.O. Box 355, Station A  
Toronto, ON M5W 1C5

1-800-332-7787

**E-mail Address** pgsds.im@pg.com

**Emergency Telephone** Transportation (24 HR)  
CHEMTREC - 1-800-424-9300  
(U.S./ Canada) or 1-703-527-3887  
Mexico toll free in country: 800-681-9531

**2. HAZARD IDENTIFICATION**

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

Not Classified.

**Hazard Statements** None

**Hazard pictograms** None

**Precautionary Statements - Prevention** None

**Precautionary Statements - Response** None

**Precautionary Statements - Storage** None

**Precautionary Statements - Disposal** None

Hazards not otherwise classified None  
(HNOC)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation.

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
2-(2-Butoxyethoxy ethanol) Diethylene glycol monobutyl ether	-	No	112-34-5	0.5 - 1.5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

Eye contact	Rinse with plenty of water. Get medical attention immediately if irritation persists.
Skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Most important symptoms/effects, acute and delayed	None under normal use conditions.

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray. Dry chemical. Alcohol-resistant foam.
Unsuitable Extinguishing Media	None.
Special hazard	None known.
Special protective equipment for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific hazards arising from the chemical	None.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment. Do not get in eyes, on skin, or on clothing.
Advice for emergency responders	Use personal protective equipment as required.



**Environmental precautions** Keep out of waterways. Do not discharge product into natural waters without pre-treatment or adequate dilution.

**Methods and materials for containment and cleaning up**

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
2-(2-Butoxyethoxy ethanol) Diethylene glycol monobutyl ether	112-34-5	TWA: 10 ppm inhalable fraction and vapor		

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
 Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection** **Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Use appropriate eye protection

**Hand Protection** **Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Protective gloves

**Skin and Body Protection**      **Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Wear suitable protective clothing

**Respiratory Protection**      **Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State @20°C      liquid  
 Appearance      light blue  
 Odor      Scented  
 Odor threshold      No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	10.4 - 11.2	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	> 93.3 °C / > 200 °F	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower Flammability Limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.00	
Water solubility	100%	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Viscosity of Product	< 10 cps	

VOC Content (%)      Products comply with US state and federal regulations for VOC content in consumer products.

**10. STABILITY AND REACTIVITY**

**Reactivity**      None under normal use conditions.

**Stability**      Stable under normal conditions.

**Hazardous polymerization**      Hazardous polymerization does not occur.

**Hazardous Reactions**      None under normal processing.

**Conditions to Avoid**      None under normal processing.

**Materials to avoid**      None in particular.

**Hazardous Decomposition Products**      None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

Inhalation	No known effect.
Skin contact	No known effect.
Ingestion	No known effect.
Eye contact	No known effect.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	No known effect.
Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	No known effect.
Skin sensitization	No known effect.
Respiratory sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Neurological Effects	No known effect.
Reproductive toxicity	No known effect.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Target Organ Effects	No known effect.
Aspiration hazard	No known effect.
Carcinogenicity	No known effect.

### Component Information

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-(2-Butoxyethoxy ethanol) Diethylene glycol monobutyl ether	112-34-5	2410 mg/kg (rat)	-	-

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility	No information available.
Other adverse effects	No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 331

**14. TRANSPORT INFORMATION**

**DOT** Not regulated  
**IMDG** Not regulated  
**IATA** Not regulated

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	SARA 313 - Threshold Values %
2-(2-Butoxyethoxy ethanol) Diethylene glycol monobutyl ether	112-34-5	1.0

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC's per the Clean Air Act:

Chemical Name	CAS-No	CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
2-(2-Butoxyethoxy ethanol) Diethylene glycol monobutyl ether	112-34-5	X
2-Hexyloxyethanol	112-25-4	X

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
2-(2-Butoxyethoxy ethanol) Diethylene glycol monobutyl ether	112-34-5	X

Chemical Name	CAS-No	Pennsylvania
2-(2-Butoxyethoxy ethanol) Diethylene glycol monobutyl ether	112-34-5	X
2-Hexyloxyethanol	112-25-4	X

**International Inventories**

**United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

**FIFRA**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

EPA Registration number: 6836-245

CAUTION

Causes eye irritation

<b>16. OTHER INFORMATION</b>
------------------------------

**HMIS Ratings**

Health hazard	1
Flammability	1
Physical hazard	1

**NFPA Ratings**

Health hazard	1
Flammability	1
Instability	1

**Issuing Date:** 15-Jan-2015

**Revision Date:** 07-Apr-2015

**Disclaimer**

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End of SDS

# SAFETY DATA SHEET

Sport Kote

## Section 1. Identification

GHS product identifier : Sport Kote  
Other means of identification : 222SF  
Product type : Liquid

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Essential Industries, Inc.  
P.O. Box 12  
Merton, WI 53056-0012  
Phone: 262-538-1122

Emergency telephone number (with hours of operation) : 800-843-6174 (24 Hours)

## Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 28%  
There is no toxicity data available for the polymer in this product, which is exempt and categorized in a low concern functional group under the EPA's Toxic Substances Control Act (TSCA).

### GHS label elements

Signal word : No signal word.  
Hazard statements : No known significant effects or critical hazards.

### Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.  
Prevention : Not applicable  
Response : Not applicable  
Storage : Not applicable  
Disposal : Not applicable

Hazards not otherwise classified : None known.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
 Other means of identification : Not available

#### CAS number/other identifiers

CAS number : Not applicable  
 Product code : 222SF

Ingredient name	%	CAS number
2-(2-butoxyethoxy)ethanol	1 - 5	112-34-5
N-methyl-2-pyrrolidone	1 - 5	872-50-4
2-butoxyethanol	1 - 5	111-76-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

## Section 4. First aid measures

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.



## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
2-(2-butoxyethoxy)ethanol	<b>ACGIH TLV (United States, 6/2013).</b> TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor
N-methyl-2-pyrrolidone	<b>AIHA WEEL (United States, 10/2011).</b> <b>Absorbed through skin.</b> TWA: 10 ppm 8 hours.
2-butoxyethanol	<b>ACGIH TLV (United States, 6/2013).</b> TWA: 20 ppm 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> <b>Absorbed through skin.</b> TWA: 25 ppm 8 hours. TWA: 120 mg/m <sup>3</sup> 8 hours. <b>NIOSH REL (United States, 4/2013).</b> <b>Absorbed through skin.</b> TWA: 5 ppm 10 hours. TWA: 24 mg/m <sup>3</sup> 10 hours. <b>OSHA PEL (United States, 2/2013).</b> <b>Absorbed through skin.</b> TWA: 50 ppm 8 hours. TWA: 240 mg/m <sup>3</sup> 8 hours.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

## Section 8. Exposure controls/personal protection

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid

**Color** : Light Yellow

**Odor** : Bland

**Odor threshold** : Not available

**pH** : 7.5 to 8.5

**Melting point** : 0°C (32°F)

**Boiling point** : 100°C (212°F)

**Flash point** : Closed cup: >93.334°C (>200°F)

**Evaporation rate** : Not available

**Flammability (solid, gas)** : Not available

**Lower and upper explosive (flammable) limits** : Not available

**Vapor pressure** : <4 kPa (<30 mm Hg) [room temperature]

**Vapor density** : <1 [Air = 1]

**Specific gravity** : 1.04 g/cm<sup>3</sup>

**Solubility** : Not available

## Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water : Not available  
 Auto-ignition temperature : Not available  
 Viscosity : Not available  
 VOC content : 254 g/l

VOCs are calculated following the requirements under 40 CFR, Part 59, Subpart C for Consumer Products and Subpart D for Architectural Coatings.

## Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-(2-butoxyethoxy)ethanol	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
N-methyl-2-pyrrolidone	LD50 Dermal	Rabbit	8 g/kg	-
	LD50 Oral	Rat	3914 mg/kg	-
2-butoxyethanol	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-(2-butoxyethoxy)ethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
N-methyl-2-pyrrolidone	Eyes - Moderate irritant	Rabbit	-	100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
2-butoxyethanol	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-

#### Sensitization

Not available.

#### Mutagenicity

## Section 11. Toxicological information

Not available.

### Carcinogenicity

Not available.

### Classification

Product/ingredient name	OSHA	IARC	NTP
2-butoxyethanol	-	3	-

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available

### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : Not available
- Potential delayed effects** : Not available

#### Long term exposure

- Potential immediate effects** : Not available
- Potential delayed effects** : Not available

### Potential chronic health effects

Not available.

## Section 11. Toxicological information

<b>General</b>	: No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	10633.3 mg/kg
Dermal	9945.3 mg/kg
Inhalation (gases)	25570.3 ppm

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
2-(2-butoxyethoxy)ethanol N-methyl-2-pyrrolidone	Acute LC50 1300000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 1.23 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 832 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
2-butoxyethanol	Acute EC50 1000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
2-(2-butoxyethoxy)ethanol	1	-	low
N-methyl-2-pyrrolidone	-0.46	-	low
2-butoxyethanol	0.81	-	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

### SARA 311/312

**Classification** : Not applicable

**Composition/information on ingredients**

## Section 15. Regulatory information

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2-(2-butoxyethoxy)ethanol	1 - 5	Yes.	No.	No.	Yes.	No.
N-methyl-2-pyrrolidone	1 - 5	Yes.	No.	No.	Yes.	No.
2-butoxyethanol	1 - 5	Yes.	No.	No.	Yes.	No.

### SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-(2-butoxyethoxy)ethanol	112-34-5	4.0
	N-methyl-2-pyrrolidone	872-50-4	3.2
	2-butoxyethanol	111-76-2	1.3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

#### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
N-methyl-2-pyrrolidone	No.	Yes.	No.	3200 µg/day (inhalation)

### International regulations

Canada inventory : All components are listed or exempted.

## Section 16. Other information

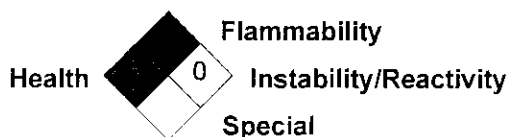
### Hazardous Material Information System (U.S.A.)

Health	1
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



## Section 16. Other information

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

Date of printing : 12/19/2014.

Date of issue/Date of revision : 12/19/2014.

Date of previous issue : 8/10/2014.

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 UN = United Nations

**References** : Not available

▀ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.





# Safety Data Sheet

Issue Date: 04-Mar-2009

Revision Date: 15-Apr-2014

Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Spot & Stain

**Other means of identification**

**SDS #** WC-037

**Product Code** #68

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Stain remover.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Wepak Corporation  
314 W. Bland St.  
Charlotte, NC 28203

**Emergency Telephone Number**

**Company Phone Number** 1-800-438-4270

**Emergency Telephone (24 hr)** 1-800-438-4270

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear liquid

**Physical State** Liquid

**Odor** Pungent

**Classification**

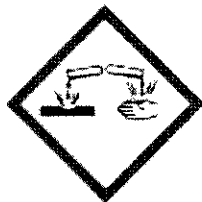
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

**Signal Word**

Danger

**Hazard Statements**

Causes severe skin burns and eye damage



**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isopropyl alcohol	67-63-0	Proprietary
Diethylamine	109-89-7	Proprietary
Tall Oil Fatty Acid	61790-12-3	Proprietary
Tetrasodium EDTA	64-02-8	Proprietary
Potassium hydroxide	1310-58-3	Proprietary

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove to fresh air. Call a physician immediately.
<b>Ingestion</b>	Induce vomiting, but only if victim is fully conscious. Call a physician or poison control center immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	Contact will cause irritation and redness to exposed areas.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

None known.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Contain and collect with an inert absorbent and place into an appropriate container for disposal. Dispose of in accordance with federal, state and local regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep from freezing.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Diethylamine 109-89-7	STEL: 15 ppm TWA: 5 ppm S*	TWA: 25 ppm TWA: 75 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m <sup>3</sup> (vacated) STEL: 25 ppm (vacated) STEL: 75 mg/m <sup>3</sup>	IDLH: 200 ppm TWA: 10 ppm TWA: 30 mg/m <sup>3</sup> STEL: 25 ppm STEL: 75 mg/m <sup>3</sup>
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses.

**Skin and Body Protection** Wear suitable gloves.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Pungent
<b>Appearance</b>	Clear liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
pH	12	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not available	
Flash Point	None	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	None	
Lower Flammability Limit	None	
Vapor Pressure	Not determined	
Vapor Density	Not available	
Specific Gravity	0.95	(1=Water)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit )	= 72.6 mg/L ( Rat ) 4 h
Diethylamine 109-89-7	= 540 mg/kg ( Rat )	= 582 mg/kg ( Rabbit )	= 12.1 mg/L ( Rat ) 4 h = 4000 ppm ( Rat ) 4 h
Tall Oil Fatty Acid 61790-12-3	= 7600 mg/kg ( Rat )	-	-
Tetrasodium EDTA 64-02-8	= 10 g/kg ( Rat )	-	-
Potassium hydroxide 1310-58-3	= 214 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		X

**Legend**

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl alcohol 67-63-0	1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50		13299: 48 h <i>Daphnia magna</i> mg/L EC50
Diethylamine 109-89-7	20: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	855: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 25: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 100 - 180: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static	EC50 = 21.8 mg/L 15 min EC50 = 24.8 mg/L 30 min EC50 = 27.2 mg/L 15 min EC50 = 35.0 mg/L 5 min EC50 = 47 mg/L 17 h	41: 24 h <i>Daphnia magna</i> mg/L EC50 100: 48 h <i>Daphnia magna</i> mg/L EC50
Tall Oil Fatty Acid 61790-12-3	1000: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50			
Tetrasodium EDTA 64-02-8	1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static		610: 24 h <i>Daphnia magna</i> mg/L EC50
Potassium hydroxide 1310-58-3		80: 96 h <i>Gambusia affinis</i> mg/L LC50 static		

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Isopropyl alcohol 67-63-0	0.05
Diethylamine 109-89-7	0.58
Tall Oil Fatty Acid 61790-12-3	5.98
Potassium hydroxide 1310-58-3	0.83

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status

Isopropyl alcohol 67-63-0	Toxic Ignitable
Diethylamine 109-89-7	Toxic Ignitable
Potassium hydroxide 1310-58-3	Toxic Corrosive

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Not determined

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Diethylamine 109-89-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Potassium hydroxide 1310-58-3	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	67-63-0	Proprietary	1.0

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Diethylamine 109-89-7 ( Proprietary )	100 lb			X
Potassium hydroxide 1310-58-3 ( Proprietary )	1000 lb			X

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl alcohol 67-63-0	X	X	X
Diethylamine 109-89-7	X	X	X
Potassium hydroxide 1310-58-3	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMS****Health Hazards**

2

**Flammability**

1

**Physical Hazards**

1

**Personal Protection**

Not determined

Issue Date: 04-Mar-2009  
Revision Date: 15-Apr-2014  
Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

<b>Manufacturer's Name:</b> Misco Products Corporation	<b>Product Name:</b> Spot Chek	<b>Supplier's Name:</b>
<b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605	<b>Generic Name:</b> Carpet Spot Remover	<b>Supplier's Address:</b>
<b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Chemical Family:</b> Solvent Detergent Blend	<b>Supplier's Phone #:</b>
	<b>Formula:</b> Proprietary	

**SECTION 2-INGREDIENT INFORMATION**

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Isopropyl Alcohol	67-63-0	0 to 5	400 ppm	400 ppm	500 ppm
Diethylene Glycol Butyl Ether	112-34-5	0 to 5			
Nonionic Surfactant	9016-45-9	0 to 5			
Anionic Surfactant	9004-82-4	0 to 5			
Propylene Glycol	57-55-6	0 to 5			
Sodium Thiosulfate	7772-98-7	0 to 5			

**SECTION 3-PHYSICAL DATA**

<b>Boiling Point (°F):</b> 212 F.	<b>Specific Gravity:</b> 1.02
<b>Vapor Pressure:</b> 30mm Hg @ 68 F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 90+	<b>pH:</b> 8.5-10.0
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> >1
<b>Physical Description:</b> Thin liquid with mild solvent odor.	
<b>VOC Content:</b> 0.84%	

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used):</b> >200 F. (TCC)
<b>Upper Explosion Limit:</b> N/A
<b>Lower Explosion Limit:</b> N/A
<b>Extinguishing Media:</b> CO <sub>2</sub> , Foam, Dry Chemical.
<b>Special Firefighting Procedures:</b> None.
<b>Unusual Fire and Explosion Hazards:</b> Drums heated by fire can explode.

**SECTION 5-REACTIVITY DATA**

<b>Stability:</b> Stable	<b>Hazardous Polymerization:</b> None
<b>Hazards Decomposition Products:</b> Carbon monoxide possible if burned.	<b>Incompatibility (Materials to Avoid):</b> Strong oxidizers.

**SECTION 6-STORAGE AND HANDLING INFORMATION**

Eye Irritant. May cause skin irritation with prolonged contact. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear rubber gloves and protective eyewear when using. Avoid breathing of vapors or mist. Use in well-ventilated area.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
**Skin:** Prolonged or repeated contact may cause dermatitis.  
**Eyes:** Eye irritant. Liquid and mist may damage the eyes, causing corneal damage.  
**Inhalation:** Vapors may be irritating to the mucous membranes of the nose, throat, and lungs. May cause dizziness, headache, and nausea with prolonged breathing of vapors.  
**Ingestion:** May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.  
**First Aid Procedures:**  
**Skin:** Flush with water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention.  
**Inhalation:** Get to fresh air. Seek medical attention if symptoms persist.  
**Ingestion:** Dilute with 2 glasses of water. Seek medical attention immediately.

**SECTION 8-SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Use in well-ventilated areas only.  
**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.  
**Protective Gloves:** Chemical resistant rubber.  
**Eye Protection:** Chemical splash goggles recommended.  
**Other Protective Equipment:** Eyewash station should be provided nearby.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Steps to be taken in Case Material is Released or Spilled:** Shut off all ignition sources and ventilate area. Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.  
**Waste Disposal Method:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

**SECTION 10-REGULATORY INFORMATION**

<b>SARA Title III - Section 311/312 -Hazard Categories:</b>	<b>Shipping Information:</b>
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound
No - Sudden Release of Pressure Hazard	
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound
Yes - Immediate (acute) Health Hazard	
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound

**HMIS Hazardous Materials Identification System**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION:** CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
exempt	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
exempt	None	

**SECTION 11-OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product

# Safety Data Sheet



## 1. Identification

<b>Product Name:</b>	PVTMPP SSPR 6PK SPRAY N GO DOVE GRAY 107	<b>Revision Date:</b>	10/16/2018
<b>Product Identifier:</b>	51107830	<b>Supersedes Date:</b>	2/20/2018
<b>Recommended Use:</b>	Topcoat/Aerosols		
<b>Supplier:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	<b>Manufacturer:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
<b>Preparer:</b>	Regulatory Department		
<b>Emergency Telephone:</b>	24 Hour Hotline: 847-367-7700		

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

28% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Germ Cell Mutagenicity, category 1B	H340	May cause genetic defects.
Carcinogenicity, category 1B	H350	May cause cancer.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Eye Irritation, category 2	H319	Causes serious eye irritation.

**GHS LABEL PRECAUTIONARY STATEMENTS**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local, regional and national regulations.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

<b>3. Composition / Information On Ingredients</b>
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**HAZARDOUS SUBSTANCES**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt.% Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Acetone	67-64-1	25-50	GHS02-GHS07	H225-319-332-336
Propane	74-98-6	10-25	GHS04	H280
n-Butane	106-97-8	2.5-10	GHS04	H280

Naphtha, Petroleum, Hydrotreated Light	64742-49-0	2.5-10	GHS08	H304
Xylenes (o-, m-, p- isomers)	1330-20-7	2.5-10	GHS02-GHS07	H226-315-319-332
n-Butyl Acetate	123-86-4	2.5-10	GHS02-GHS07	H226-336
Titanium Dioxide	13463-67-7	1.0-2.5	Not Available	Not Available
1-Methoxy-2-Propyl Acetate	108-65-6	1.0-2.5	GHS02	H226
Ethylbenzene	100-41-4	1.0-2.5	GHS02-GHS07- GHS08	H225-304-332-351-373
Solvent Naphtha, Light Aromatic	64742-95-6	0.1-1.0	GHS07-GHS08	H304-332-340-350

#### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

#### 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. Closed containers may explode when exposed to extreme heat due to buildup of steam. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

#### 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

#### 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of flammable aerosols. Contents under pressure. Do not expose to heat or store above 120 ° F. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat.

Advice on Safe Handling of Combustible Dust: No Information

## 8. Exposure Controls / Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Acetone	67-64-1	35.0	250 ppm	500 ppm	1000 ppm	N.E.
Propane	74-98-6	20.0	N.E.	N.E.	1000 ppm	N.E.
n-Butane	106-97-8	10.0	N.E.	1000 ppm	N.E.	N.E.
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	10.0	N.E.	N.E.	N.E.	N.E.
Xylenes (o-, m-, p- isomers)	1330-20-7	5.0	100 ppm	150 ppm	100 ppm	N.E.
n-Butyl Acetate	123-86-4	5.0	50 ppm	150 ppm	150 ppm	N.E.
Titanium Dioxide	13463-67-7	5.0	10 mg/m3	N.E.	15 mg/m3	N.E.
1-Methoxy-2-Propyl Acetate	108-65-6	5.0	N.E.	N.E.	N.E.	N.E.
Ethylbenzene	100-41-4	5.0	20 ppm	N.E.	100 ppm	N.E.
Solvent Naphtha, Light Aromatic	64742-95-6	1.0	N.E.	N.E.	N.E.	N.E.

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION:** Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Aerosolized Mist	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent Like	<b>Odor Threshold:</b>	N.E.
<b>Relative Density:</b>	0.756	<b>pH:</b>	N.A.
<b>Freeze Point, °C:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Slight	<b>Partition Coefficient, n-octanol/ water:</b>	N.D.
<b>Decomposition Temp., °C:</b>	N.D.	<b>Explosive Limits, vol%:</b>	0.9 - 13.0
<b>Boiling Range, °C:</b>	-37 - 537	<b>Flash Point, °C:</b>	-96
<b>Flammability:</b>	Supports Combustion	<b>Auto-ignition Temp., °C:</b>	N.D.
<b>Evaporation Rate:</b>	Faster than Ether	<b>Vapor Pressure:</b>	N.D.
<b>Vapor Density:</b>	Heavier than Air		

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C). Avoid all possible sources of ignition.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. May cause skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010) May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
67-64-1	Acetone	5800 mg/kg Rat	>15700 mg/kg Rabbit	50.1 mg/L Rat
106-97-8	n-Butane	N.E.	N.E.	658 mg/L Rat
64742-49-0	Naphtha, Petroleum, Hydrotreated Light	>5000 mg/kg Rat	>3160 mg/kg Rabbit	>4951 mg/L Rat
1330-20-7	Xylenes (o-, m-, p- isomers)	3500 mg/kg Rat	>4350 mg/kg Rabbit	29.08 mg/L Rat
123-86-4	n-Butyl Acetate	10768 mg/kg Rat	>17600 mg/kg Rabbit	> 21 mg/L Rat
13463-67-7	Titanium Dioxide	>10000 mg/kg Rat	2500 mg/kg	N.E.
108-65-6	1-Methoxy-2-Propyl Acetate	8532 mg/kg Rat	>5000 mg/kg Rabbit	N.E.
100-41-4	Ethylbenzene	3500 mg/kg Rat	15400 mg/kg Rabbit	17.4 mg/L Rat
64742-95-6	Solvent Naphtha, Light Aromatic	8400 mg/kg Rat	>2000 mg/kg Rabbit	N.E.

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems. This product as supplied is a USEPA defined ignitable hazardous waste. Dispose of unusable product as a hazardous waste (D001) in accordance with local, state, and federal regulation. Do not incinerate closed containers.

## 14. Transport Information

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>TDG (Canada)</u>
<b>UN Number:</b>	N.A.	1950	1950	N.A.
<b>Proper Shipping Name:</b>	Paint and Related Spray Products in Ltd Qty	Aerosols	Aerosols, flammable	Aerosols
<b>Hazard Class:</b>	N.A.	2	2.1	N.A.
<b>Packing Group:</b>	N.A.	N.A.	N.A.	N.A.
<b>Limited Quantity:</b>	Yes	Yes	Yes	Yes

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Gas under pressure, Carcinogenicity, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure), Germ cell mutagenicity

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Xylenes (o-, m-, p- isomers)	1330-20-7
Ethylbenzene	100-41-4

#### Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

### U.S. State Regulations:

#### California Proposition 65:

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**16. Other Information****HMIS RATINGS**

Health: 2\*      Flammability: 4      Physical Hazard: 0      Personal Protection: X

**NFPA RATINGS**

Health: 2      Flammability: 4      Instability: 0

Maximum Incremental Reactivity 0.94

SDS REVISION DATE: 10/16/2018

REASON FOR REVISION: Product Composition Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazard Identification  
03 - Composition/Information on Ingredients  
08 - Exposure Controls/Personal Protection  
14 - Transport Information  
15 - Regulatory Information  
16 - Other Information  
Substance Regulatory CAS Number Changed  
Substance Hazardous Flag Changed  
Substance Hazard Threshold % Changed  
Substance Chemical Name Changed  
Revision Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.





# Safety Data Sheet

Issue date 31-Mar-2015

Version 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** SPRAYPAK BASEBOARD STRIPPER  
**Chemical name** 7-7903-3

### Other means of identification

**Product code** FG 433-4112-9  
**Synonyms** Baseboard and wax stripper.

### Recommended use of the chemical and restrictions on use

**Recommended Use** Strips old wax, acrylics and other coatings from floors and baseboards.  
**Uses advised against** Do not use on asphalt tile. Test on small area before using on plexiglass and plastic surfaces.

### Details of the supplier of the safety data sheet

**Supplier Address**  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

**Manufacturer Address**  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

**Emergency Telephone Number**  
**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924  
**Emergency telephone** ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification

Acute toxicity - Inhalation (Gases)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
FLAMMABLE AEROSOLS	Category 2
Gases Under Pressure	liquefied gas

### Label Elements

#### EMERGENCY OVERVIEW

#### Warning

#### hazard statements

HARMFUL IF INHALED  
CAUSES SKIN IRRITATION  
Causes serious eye irritation  
Flammable Aerosol  
Contains gas under pressure; may explode if heated



# FG 433-4112-9 SPRAYPAK BASEBOARD STRIPPER

**Appearance** Cloudy, white liquid.

**Physical State** Aerosol

**Odor** Minty

## Precautionary Statements - Prevention

Avoid breathing fumes, mist, vapors or spray.  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves, protective clothing, eye protection and face protection.  
Keep away from heat, sparks, open flames and hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use

## Precautionary Statements - Response

Specific treatment: See additional cautionary statements on this label.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell.

## Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place  
Do not expose to temperatures exceeding 50°C (122 °F)

## Hazards not otherwise classified (HNOC)

### Other Information

• MAY BE HARMFUL IF SWALLOWED  
No information available

## 3. Composition/information on Ingredients

**Common Name** Baseboard and wax stripper.  
**Synonyms** Baseboard and wax stripper.  
**Chemical Family** MIXTURES.  
**Formula** 7-7903-3  
**Chemical nature** Aqueous solution of organic solvent.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	80-85	*
2-Butoxyethanol	111-76-2	5-10	*
N-Butane	106-97-8	1-5	*
Morpholine	110-91-8	1-5	*
Propane	74-98-6	1-5	*

Chemical Additions Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinogenes are listed when present at 0.1% or greater.

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First aid measures

### FIRST AID MEASURES

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

<b>Skin contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
<b>inhalation</b>	If overcome by vapor, move person to fresh air. Restore respiration if necessary. Get medical attention if injury develops.
<b>INGESTION</b>	Ingestion from an aerosol product is unlikely to occur.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Acute: Prolonged inhalation of concentrated vapor or mist can cause nasal and respiratory irritation, headaches, dizziness and nausea. Prolonged contact with skin can cause irritation, burning, redness and pain. Contact with eyes causes irritation, burning, tearing, redness and blurred vision. Chronic: 2-butoxyethanol may cause hemolysis of the blood cells leading to possible liver and kidney damage.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	None needed.
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**5. Fire-fighting measures**

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

**Hazardous combustion products** Thermal decomposition may yield gases like ammonia, carbon monoxide, carbon dioxide, formaldehyde and nitrogen compounds.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate general or local exhaust ventilation.

**For emergency responders** Remove all sources of ignition.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Keep out of reach of children. **AEROSOL STORAGE LEVEL I (NFPA-30B)**.

**Incompatible Materials** Avoid heat and open flame. Avoid contact with alcohols, ketones, nitrites and strong oxidizing agents.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Morpholine 110-91-8	TWA: 20 ppm S*	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup> (vacated) TWA: 20 ppm (vacated) TWA: 70 mg/m <sup>3</sup> (vacated) STEL: 30 ppm (vacated) STEL: 105 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 1400 ppm TWA: 20 ppm TWA: 70 mg/m <sup>3</sup> STEL: 30 ppm STEL: 105 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Conventional eyeglasses to guard against splashing.

**Skin and Body Protection** Rubber, vinyl or household type gloves required.

**Respiratory protection** Use in a well-ventilated area ONLY. **WHEN USING INDOORS, KEEP WINDOWS AND DOORS OPEN UNTIL FUMES DISSIPATE. A NIOSH-approved air purifying respirator may be necessary where airborne concentrations exceed the exposure levels.**

**General hygiene considerations** Wash hands thoroughly after handling.

**9. Physical and Chemical Properties**

Information on basic physical and chemical properties

<b>Physical State</b>	Aerosol	<b>Odor</b>	Minty
<b>Appearance</b>	Cloudy, white liquid.	<b>Odor threshold</b>	No information available
<b>Color</b>	white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	9.75 to 10.19	No information available
<b>Melting point/freezing point</b>	Not applicable	No information available
<b>Boiling point/boiling range</b>	Water 212 °F/100 °C	No information available
<b>Flash Point</b>	Not Available. This is an aerosol product for which Flame Projection is 0 inches. Temperatures above 120 F may cause cans to burst. Product was tested for Enclosed Space Ignition test and is a Category 2 flammable aerosol as defined under 29CFR 1910.122 Appendix B.3.	No information available
<b>Evaporation Rate</b>	Faster than butyl acetate	No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		No information available
<b>Upper flammability limits</b>	Not available	
<b>Lower Flammability Limit</b>	Not available	
<b>Vapor pressure</b>		No information available
<b>Vapor Density</b>		No information available
<b>Specific gravity</b>	1.0 concentrate	No information available
<b>Water solubility</b>		Soluble in water
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition Temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content (%)</b>	17.35
<b>Density</b>	8.33 lb/gal
<b>Bulk Density</b>	No information available

**10. Stability and Reactivity**

Reactivity  
 Not applicable  
 Not applicable

Chemical stability

Stable.

Possibility of hazardous reactions

Temperatures above 130 °F may cause cans to burst with force.  
     **hazardous polymerization**      Hazardous polymerization does not occur.

Conditions to Avoid

Temperatures above 122 °F (50 °C).

Incompatible Materials

Avoid heat and open flame. Avoid contact with alcohols, ketones, nitrites and strong oxidizing agents.

**Hazardous decomposition products**

Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**11. Toxicological Information**

**Information on likely routes of exposure**

<b>Product Information</b>	Primary routes of entry: Eye contact, skin contact, inhalation, ingestion (possible, but consider unlikely).
<b>Inhalation</b>	Over inhalation of vapor or mist may cause severe irritation to the nose, throat and respiratory tract.
<b>Eye Contact</b>	Irritant to eyes. It may cause tearing, redness and swelling of the eyes.
<b>Skin contact</b>	2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may result on skin absorption of potentially harmful amounts. Morpholine can cause redness, burning and swelling of the skin.
<b>INGESTION</b>	This is an aerosol product, ingestion is unlikely to occur.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Morpholine 110-91-8	= 1050 mg/kg ( Rat )	310 - 810 mg/kg ( Rabbit )	= 8000 ppm ( Rat ) 8 h
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	May cause skin irritation after contact with skin. 2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may results on skin absorption of potentially harmful amounts. Morpholine can cause redness, burning and swelling of the skin.
<b>Serious eye damage/eye irritation</b>	Can cause irritation after contact with the eyes.
<b>corrosivity</b>	Not applicable.
<b>sensitization</b>	No a skin sensitizer.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Morpholine 110-91-8		Group 3		

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (oral)** 4541 mg/kg

ATEmix (dermal)	9649 mg/kg
ATEmix (inhalation-gas)	7359 mg/l
ATEmix (inhalation-dust/mist)	13.2 mg/l
ATEmix (inhalation-vapor)	3455 mg/l

**12. Ecological Information**

This product does not contain marine pollutants.

**ecotoxicity**

5.27% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50
Morpholine 110-91-8	28: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	350: 96 h Lepomis macrochirus mg/L LC50 static 375 - 460: 96 h Oncorhynchus mykiss mg/L LC50 1000: 96 h Brachydanio rerio mg/L LC50 static	EC50 = 57.0 mg/L 30 min	100: 24 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical name	Partition coefficient
2-Butoxyethanol 111-76-2	0.81
N-Butane 106-97-8	2.89
Morpholine 110-91-8	-2.55
Propane 74-98-6	2.3

**Other adverse effects**

No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**14. Transport Information**

**DOT**

UN/ID no

Limited quantity (LQ) Baseboard and wax stripper.  
UN1950

**FG 433-4112-9 SPRAYPAK BASEBOARD STRIPPER**

**Proper Shipping Name** Limited quantity (LQ)  
**Hazard Class** 2.1  
**Marine pollutant** This product does not contain marine pollutants.

**15. Regulatory information**

**International Inventories**

**TSCA** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.  
**DSL** All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**SARA 313**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372. This information must be included in all SDSs that are copied and distributed for this material.

Chemical name	CAS No	weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	5-10	1.0

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** yes  
**Chronic Health Hazard** No  
**Fire Hazard** No  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
2-Butoxyethanol 111-76-2	X	X	X
N-Butane	X	X	X



**FG 433-4112-9 SPRAYPAK BASEBOARD STRIPPER**

106-97-8			
Morpholine 110-91-8	X	X	X
Propane 74-98-6	X	X	X

**U.S. EPA Label information**

**EPA Pesticide registration number** Not applicable

**16. Other information**

<u>NFPA</u>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Instability</b> 1	<b>Physical and chemical properties</b> Not applicable
<u>HMIS</u>	<b>Health Hazards</b> 1	<b>Flammability</b> 2	<b>Physical Hazards</b> 1	<b>Personal Protection</b> B - Eyes and hands protection

**Issue date** 31-Mar-2015

**Revision note**  
This SDS supersedes a previous SDS dated July 28, 2014.

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



Issue date 24-Jun-2015

# Safety Data Sheet

Version 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** SPRAYPAK SPRAY DISINFECTANT  
**Chemical name** 7-9761-1

### Other means of identification

**Product code** FG 433-4104-4  
**Synonyms** Disinfectant Spray  
**Registration number(s)** 498-179

### Recommended use of the chemical and restrictions on use

**Recommended Use** For disinfection of hard, non-porous, inanimate surfaces.  
**Uses advised against** Do not spray on varnished, painted or plastic surfaces.

### Details of the supplier of the safety data sheet

**Supplier Address**  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

**Manufacturer Address**  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

### Emergency Telephone Number

**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924  
**Emergency telephone** ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification

Serious eye damage/eye irritation	Category 2A
FLAMMABLE AEROSOLS	Category 2
Gases Under Pressure	liquefied gas

### Label Elements

#### EMERGENCY OVERVIEW

#### Warning

#### hazard statements

Causes serious eye irritation  
Flammable Aerosol  
Contains gas under pressure; may explode if heated



**Appearance** Hazy, yellow liquid

**Physical State** Aerosol

**Odor** Perfumed

### Precautionary Statements - Prevention

## FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves, protective clothing, eye protection and face protection.  
Keep away from heat, sparks, open flames and hot surfaces. — No smoking  
Pressurized container: Do not pierce or burn, even after use  
Do not spray on an open flame or other ignition source

### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

### Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place  
Do not expose to temperatures exceeding 122 °F (50 °C)

### Hazards not otherwise classified (HNOC)

#### Other Information

- Toxic to aquatic life with long lasting effects
- 0.69% of the mixture consists of ingredient(s) of unknown toxicity

## 3. Composition/information on Ingredients

<b>Synonyms</b>	Disinfectant Spray.
<b>Chemical Family</b>	MIXTURES.
<b>Formula</b>	7-9761-1
<b>Chemical nature</b>	Aqueous solution of alcohol and other active ingredients.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	45-50	*
Ethyl alcohol	64-17-5	30-35	*
N-Butane	106-97-8	10-15	*
Propane	74-98-6	1-5	*

Chemical Additions See label for active ingredients information.

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First aid measures

### FIRST AID MEASURES

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact** Wash with soap and water. If irritation develops, consult a physician .

**Inhalation** If overcome by vapor, move person to fresh air.

**INGESTION** Ingestion from an aerosol product is unlikely to occur.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Acute. Deliberate inhalation of concentrated vapor or mist may cause headaches.  
Prolonged and repeated contact with the eyes may cause mild irritation.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** None needed.

**5. Fire-fighting measures**

**Suitable extinguishing media**  
Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Use water spray or fog; do not use straight streams.

**Specific hazards arising from the chemical**  
Containers are under pressure. Temperatures above 130 °F may cause cans to burst.

**Hazardous combustion products** Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**  
Use personal protective equipment as required.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** CONTENTS UNDER PRESSURE. Do not puncture or incinerate cans.

**Other Information** Keep out of reach of children.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Avoid getting spray into eyes. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Avoid storing at below-freezing temperatures. **AEROSOL STORAGE LEVEL I (NFPA-30B)** .

**Incompatible Materials** Avoid heat, open flame and contact with strong oxidizers.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

**FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT**

		(vacated) TWA: 1900 mg/m <sup>3</sup>	
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Conventional eyeglasses to guard against splashing.

**Skin and Body Protection** Household type gloves, if desired.

**Respiratory protection** None required if used in a well-ventilated area .

**General hygiene considerations** None required.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Perfumed.
<b>Appearance</b>	Hazy, yellow liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10.5 +/- 0.5	No information available
Melting point/freezing point	NA	No information available
Boiling point/boiling range	212 °F/100 °C	No information available
Flash Point	Not available. This is an aerosol product for which Flame Projection is 6-8 inches without flashback. Temperatures above 120 F may cause cans to burst.	No information available
Evaporation Rate	Faster than butyl acetate	No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
Upper flammability limits	Not available	
Lower Flammability Limit	Not available	
Vapor pressure	Not available	No information available
Vapor Density		No information available
Relative Density	0.92 concentrate	No information available
Water solubility	completely soluble	No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition Temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC content (%)	51.32%
Density	No information available

**Bulk Density** 8.33 Lb/gal

**10. Stability and Reactivity**

**Reactivity**  
 Not applicable  
 no data available

**Chemical stability**  
 Stable.

**Possibility of hazardous reactions**  
 Temperatures above 130 °F may cause cans to burst with force.  
     **hazardous polymerization**      Hazardous polymerization does not occur.

**Conditions to Avoid**  
 Temperatures above 122 °F (50 °C).

**Incompatible Materials**  
 Avoid heat, open flame and contact with strong oxidizers.

**Hazardous decomposition products**  
 Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**11. Toxicological Information**

Information on likely routes of exposure

**Product Information**      Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

**inhalation**      See data below.

**Eye Contact**      no data available.

**Skin contact**      no data available.

**INGESTION**      This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h

Information on toxicological effects

**Symptoms**      See information above.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**sensitization**      No information available.  
**Germ Cell Mutagenicity**      No information available.  
**carcinogenicity**      Not known chronic effects based on available information.

**Reproductive Toxicity**      No information available.  
**STOT - single exposure**      No information available.  
**STOT - repeated exposure**      No information available.  
**Aspiration Hazard**      No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 0.69% of the mixture consists of ingredient(s) of unknown toxicity  
 The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (inhalation-gas)** 10000000  
**ATEmix (inhalation-vapor)** 16447.4 mg/l

**12. Ecological Information**

**ecotoxicity**

20.99% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Ethyl alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

See information below.

Chemical name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32
N-Butane 106-97-8	2.89
Propane 74-98-6	2.3

**Other adverse effects**

No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes** Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**Contaminated packaging** Pressurized container: Do not pierce or burn, even after use.

Chemical name	California Hazardous Waste Status
Ethyl alcohol 64-17-5	Toxic Ignitable

**14. Transport Information**

**Note:** The following information is for aerosols with less than 17 oz net weight when shipped by road.

**DOT** Consumer Commodity  
**UN/ID no** Limited Quantity  
**Proper Shipping Name** Consumer Commodity

FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT

Hazard Class

ORM-D

ICAO (air)

UN/ID no

Proper Shipping Name

Hazard Class

The following information is for aerosols less than 17 oz net weight when shipped by air.

ID8000

Consumer Commodity or Limited Quantity

9 (packaging instructions Y963)

**15. Regulatory information**

International Inventories

TSCA

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL

All ingredients are listed or are excluded from listing on the DSL.

Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

US Federal Regulations

SARA 313

This product does not contain toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Ethyl alcohol 64-17-5	X	X	X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X



**U.S. EPA Label information**

**EPA Pesticide registration number** 498-179

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION: May cause eye irritation. Avoid contact with the eyes and skin. Avoid breathing of spray mist. Avoid contamination of foodstuff.

<b>16. Other information</b>
------------------------------

<u>NFPA</u>	Health Hazards 1	Flammability 1	Instability 1	<b>Physical and chemical properties</b> Not applicable
<u>HMIS</u>	Health Hazards 1	Flammability 2	Physical Hazards 1	<b>Personal Protection</b> A - Eyes protection

Prepared by Regulatory Department

Issue date 24-Jun-2015

Revision note

This SDS supersedes a previous MSDS dated January 17, 2011.

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



# Safety Data Sheet

Issue date 12-Mar-2015

Version 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** SPRAYPAK STAINLESS STEEL CLEANER  
**Chemical name** 7-7700-2

### Other means of identification

**Product code** FG 433-4111-6  
**Synonyms** Metal cleaner.

### Recommended use of the chemical and restrictions on use

**Recommended Use** Metal polish.  
**Uses advised against** DO NOT USE ON FLOORS

### Details of the supplier of the safety data sheet

**Supplier Address**  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

**Manufacturer Address**  
Chase Products Co.  
2727 Gardner Road  
Broadview, IL 60155  
708-273-1121

### Emergency Telephone Number

**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924  
**Emergency telephone** ChemTel 1-800-255-3924

## 2. Hazards Identification

### Classification


Acute toxicity - Inhalation (Gases)	Category 4
FLAMMABLE AEROSOLS	Category 2
Gases Under Pressure	liquefied gas

### Label Elements

#### EMERGENCY OVERVIEW

**Warning**

**hazard statements**  
HARMFUL IF INHALED  
Flammable Aerosol  
Contains gas under pressure; may explode if heated



**Appearance** White liquid that will be aerosolized      **Physical State** Aerosol      **Odor** Perfumed.

### Precautionary Statements - Prevention

## FG 433-4111-6 SPRAYPAK STAINLESS STEEL CLEANER

Avoid breathing fumes, mist, vapors or spray.  
Use only outdoors or in a well-ventilated area  
Keep away from heat, sparks, open flames and hot surfaces. — No smoking  
Pressurized container: Do not pierce or burn, even after use  
Do not spray on an open flame or other ignition source

### Precautionary Statements - Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell.

### Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place  
Do not expose to temperatures exceeding 50°C (122 °F)

### Hazards not otherwise classified (HNOC)

#### Other Information

-

## 3. Composition/information on Ingredients

**Common Name** Stainless steel cleaner.  
**Synonyms** Metal cleaner.  
**Chemical Family** MIXTURES.  
**Formula** 7-7700-2  
**Chemical nature** Oils and water emulsion.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	65-70	*
Hydrotreated Heavy Naphthenic Oil	64742-52-5	20-25	*
N-Butane	106-97-8	5-10	*
Propane	74-98-6	1-5	*

Chemical Additions Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinogenes are listed when present at 0.1% or greater.

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First aid measures

### FIRST AID MEASURES

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact** Wash skin with soap and water. If irritation develops, consult a physician .

**inhalation** If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

**INGESTION** Ingestion from an aerosol product is unlikely to occur. Contains petroleum distillates. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call physician immediately.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening.

Contact with eyes causes irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Contains petroleum distillates, do not induce vomiting because of aspiration pneumonia hazard.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

This product is an aerosol product for which Flame Projection is 2-3 inches, without flashback. Temperatures above 120 F may cause cans to burst.

**Hazardous combustion products** Thermal decomposition may release carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate general or local exhaust ventilation.

**For emergency responders** Remove all sources of ignition.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Keep out of reach of children. **AEROSOL STORAGE LEVEL I (NFPA-30B)** .

**Incompatible Materials** Avoid heat, open flame and contact with strong oxidizers.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

- Eye/face Protection** Conventional eyeglasses to guard against splashing.
- Skin and Body Protection** Rubber, vinyl or household type gloves.
- Respiratory protection** None required if used in a well-ventilated area .

**General hygiene considerations** Wash hands thoroughly after handling.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Perfumed.
<b>Appearance</b>	White liquid that will be aerosolized	<b>Odor threshold</b>	No information available
<b>Color</b>	white		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	9.75 to 10.35	Water-oil emulsion.	
<b>Melting point/freezing point</b>	Not applicable	No information available	
<b>Boiling point/boiling range</b>	Water 212 °F/100 °C	No information available	
<b>Flash Point</b>	Not Available. This is an aerosol product for which Flame Projection is 2-3 inches, without flashback. Temperatures above 120 F may cause cans to burst.	No information available	
<b>Evaporation Rate</b>	Faster than butyl acetate	No information available	
<b>Flammability (solid, gas)</b>		No information available	
<b>Flammability Limits in Air</b>		No information available	
Upper flammability limits	Not available		
Lower Flammability Limit	Not available		
<b>Vapor pressure</b>		No information available	
<b>Vapor Density</b>		No information available	
<b>Specific gravity</b>	0.940 to 0.980 concentrate	No information available	
<b>Water solubility</b>		Soluble in water	
<b>Solubility in other solvents</b>		No information available	
<b>Partition coefficient</b>		No information available	
<b>Autoignition Temperature</b>		No information available	
<b>Decomposition temperature</b>		No information available	
<b>Kinematic viscosity</b>		No information available	
<b>Dynamic viscosity</b>		No information available	
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		

**Other Information**

Softening point No information available  
 Molecular weight No information available  
 VOC content (%) 10.0%  
 Density 7.83 to 8.16 lb/gal  
 Bulk Density No information available

**10. Stability and Reactivity**

**Reactivity**

Not applicable  
 Not applicable

**Chemical stability**

Stable.

**Possibility of hazardous reactions**

Temperatures above 130 °F may cause cans to burst with force.  
 hazardous polymerization Hazardous polymerization does not occur.

**Conditions to Avoid**

Temperatures above 122 °F (50 °C).

**Incompatible Materials**

Avoid heat, open flame and contact with strong oxidizers.

**Hazardous decomposition products**

Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**11. Toxicological Information**

**Information on likely routes of exposure**

**Product Information** This product has not been tested as whole. See below for information on ingredients.

**inhalation** no data available.

**Eye Contact** no data available.

**Skin contact** no data available.

**INGESTION** no data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Skin corrosion/irritation None expected.  
 Serious eye damage/eye irritation Can cause irritation after contact with the eyes.  
 corrosivity Not applicable.  
 sensitization No a skin sensitizer.  
 Germ Cell Mutagenicity No information available.  
 carcinogenicity Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** -  
 The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (oral)** 20623 mg/kg  
**ATEmix (dermal)** 20623 mg/kg  
**ATEmix (inhalation-gas)** 3236 mg/l  
**ATEmix (inhalation-dust/mist)** 9 mg/l  
**ATEmix (inhalation-vapor)** 23.1 mg/l

**12. Ecological Information**

This product does not contain marine pollutants.

**ecotoxicity**

10.91% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Hydrotreated Heavy Naphthenic Oil 64742-52-5		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical name	Partition coefficient
N-Butane 106-97-8	2.89
Propane 74-98-6	2.3

**Other adverse effects** No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**14. Transport Information**

**FG 433-4111-6 SPRAYPAK STAINLESS STEEL CLEANER**

<b>DOT</b>	Limited quantity (LQ) Stainless Steel Cleaner water-based.
<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Limited quantity (LQ)
<b>Hazard Class</b>	2.1
<b>Marine pollutant</b>	This product does not contain marine pollutants.

**15. Regulatory information**

**International Inventories**

**TSCA** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**DSL** All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X



U.S. EPA Label information

EPA Pesticide registration number Not applicable

**16. Other information**

<u>NFPA</u>	Health Hazards 1	Flammability 1	Instability 1	Physical and chemical properties Not applicable Personal Protection A - Eyes protection
<u>HMIS</u>	Health Hazards 1	Flammability 2	Physical Hazards 1	

Prepared by Regulatory Department  
Issue date 12-Mar-2015  
Revision note  
This SDS supersedes a previous SDS dated January 07, 2015.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

# SAFETY DATA SHEET

## State Industrial Products

5915 Landerbrook Drive  
Mayfield Heights, OH 44124  
To Order Call: 1-866-747-2229

6935 Davand Drive  
Mississauga, Ontario L5T 1L5  
To Order Call: 1-800-668-6513

Royal Industrial Park, Bldg "M"  
Local #5, Carr 869, km 1.5 Palmas  
Cataño, P.R. 00962  
To Order Call: 787-275-3185



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SSC  
Product Description: A stainless steel cleaner and polish.  
EPA Registration Number: NA

24 Hour Emergency CHEMTREC Number: 800-424-9300  
MSDS Number: M00555  
EPA Establishment Number: NA

## 2. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

FIFRA Hazard Classification:

Not Applicable

Compressed Gas, Liquified Gas, Dissolved Gas  
Acute toxicity; inhalation: Category 4  
Skin corrosion/irritation: Category 2  
Serious eye damage/eye irritation: Category 2B



Compressed  
Gas

### WARNING

#### Hazard Statements:

H280 Contains gas under pressure; may explode if heated. H332 Harmful if inhaled. H315 Causes skin irritation. H320 Causes eye irritation.

#### Precautionary Statements:

P261 Avoid breathing vapors. P271 Use only outdoors or in a well-ventilated area. P264 Wash hands thoroughly after handling. P280 Wear protective gloves, protective clothing, and eye protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Propane	74-98-6	<10%	1000 ppm	1000 ppm
n-Butane	106-97-8	<10%	800 ppm	NE
White Oil USP	8042-47-5	<25%	5 mg/m3	5 mg/m3

## 4. FIRST AID MEASURES

P312 Call a POISON CENTER or physician if you feel unwell. P337+P313 IF eye irritation persists: Get medical advice. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 IF SKIN irritation occurs: Get medical attention. P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

## 5. FIRE FIGHTING MEASURES

Flashpoint(Method): No flame extension.

Lower Explosive Limit(LEL): 1.9 Upper Explosive Limit(UEL): 9.5 Autoignition Temperature: NA

Flammable Properties: Combustible. Keep away from heat, sparks, open flames.

Extinguishing Media: Carbon Dioxide, dry chemical, foam.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. Contains oil, water is not effective in fire fighting.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Halt spill at source, dike and contain spill. Flush with plenty of water to drain. Dispose of in accordance with Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

P410+P403 Protect from sunlight. Store in a well-ventilated place. P405 Store locked up.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.

Personal Protective Equipment: Personal Protective Equipment: Respiratory: Use respirable fume respirator or air supplied respirator when soldering in confined space or where local exhaust or ventilation does not keep exposure

Respiratory: Normal room ventilation is adequate. Use a NIOSH/MHSA approved respirator if exposure limits are exceeded.

Eye: Wear approved safety glasses or goggles with unperforated eyeshields where splashing may occur.

Skin: For repeated or prolonged contact, wear chemically impervious gloves such as Nitrile.

Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White  
Physical State: Liquid Aerosol  
Solubility in Water: NA  
Boiling Point: < 0 - 213°F; < -18 - 100°C  
Freezing Point: NA  
Melting Point: NA

Odor: Citrus.  
pH: 7  
Diluted pH: NA  
Specific Gravity: NA  
VOC Content: NA

## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: Do not mix with any other chemicals.  
Incompatibility:  
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

## 11. TOXICOLOGICAL INFORMATION

This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Propane	74-98-6	NE	NE
n-Butane	106-97-8	NE	658 mg/ 1/4 hr (rat)
White Oil USP	8042-47-5	NE	NE

## 12. ECOLOGICAL INFORMATION

This product is toxic to fish.

## 13. DISPOSAL CONSIDERATIONS

P501 Dispose of container in accordance with all Federal, State and Local Regulations regarding waste disposal.

## 14. TRANSPORT INFORMATION

DOT Shipping Data:  
Canadian TDG:  
For International Shipments by Air: NA  
For International Shipments by Vessel: NA

## 15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.

Proposition 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or reproductive harm, at reportable levels under the statute.

SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).

VOC: NA

HMIS RATING: HEALTH = FLAMMABILITY = REACTIVITY = PPE =

WHMIS RATING:

## 16. OTHER INFORMATION

NA = Not Available or Not Applicable  
NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

Prepared On: 08/11/2015

Replaces: 01/20/2014

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION					
NFPA Rating: Health-2; Flammability-3; Reactivity-0; Special--			HMIS Rating: Health-2; Flammability-3; Reactivity-0; Personal Protection-B		
<b>Manufactured For:</b> Triple S Address: 2 Executive Park Dr. Address: Billerica, MA 01803 Phone: 978-667-7900			<b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <b>SSS Silicone Lubricant II #05220</b>		
Emergency Response Number: 1-800-255-3924			MSDS Number: A00325 Revision- 10		
<b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>			Date Prepared: 11/12/04 Prepared By: RC/IB Information Calls: (770)422-2071		
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
HEPTANE	142-82-5	No	500	400	d
POLY-DIMETHYLSILOXANE	63148-62-9	No	N/E	N/E	d
CYCLOHEXANE	110-82-7	Yes	300	300	d
ISOBUTANE / PROPANE BLEND	75-28-5	No	800	800	d
	74-98-6	No	1000	1000	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: N/A			Specific Gravity (H2O=1): Concentrate Only = 0.71		
Vapor Pressure: PSIG @ 70°F (Aerosols): Max.60			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A		
Vapor Density (Air = 1): N/E			Evaporation Rate (water = 1): greater than 1		
Solubility in Water: Insoluble			Water Reactive: No		
Appearance and Odor: Clear colorless spray with solvent odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) <b>EXTREMELY FLAMMABLE</b>		Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E	
FLASH POINT AND METHOD USED (non-aerosols): N/A		SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Use water fog to prevent rupturing & exploding containers. Provide shielding for personnel.			
EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.		Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.			
SECTION 4 - REACTIVITY HAZARD DATA					
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Strong oxidizing agents.		Conditions to Avoid: Open flame, welding arcs, heat, sparks.			
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS					
ACUTE EFFECTS					
Inhalation: Excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation.					
Eye Contact: Irritation.			Skin Contact: Irritation due to defatting of skin.		
Ingestion: Possible chemical pneumonitis if aspirated into lungs.					
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause nausea, diarrhea, vomiting, central nervous system effects.					
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.					
EMERGENCY FIRST AID PROCEDURES					
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.					
Skin Contact: Wash with soap and water. If irritated, seek medical attention.					
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.					
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH in a positive pressure mode.					
Protective Gloves: Neoprene			Eye Protection: Safety glasses recommended.		
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.					
Other Protective Clothing & Equipment: None					
Hygienic Work Practices: Wash with soap and water before handling food.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER. CAUTION: Silicone makes surfaces slippery.					
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.					
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.					
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Remove ignition sources.					

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

# Material Safety Data Sheet



Denison Pharmaceuticals Inc.  
P.O. Box 1305  
60 Dunneil Lane  
Pawtucket, RI 02862-9971

Manufacturers and Packagers of Pharmaceutical Products  
Telephone 401-723-5500 Telecopy 401-725-9972

December 08, 2009

Certain information in this MSDS was obtained from other sources, which to the best of Denison's knowledge are reliable. The MSDS is provided without warranty, expressed or implied, regarding its correctness. The conditions under which this MSDS may be used are beyond Denison's control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense including but not limited to the handling, storage, use or disposal of this material. This document is not a specification sheet nor should any displayed data be construed as a specification. Some of the presented information and conclusions in this MSDS are from sources other than direct data on the material itself.

## ST-37

### Section 1

Emergency Phone Number:  
Local Poison Control  
Phone Number For Information:  
(401) 723-5500

### Section 2

#### HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: 4-Hexylresorcinol  
CAS #: 136-77-6  
OSHA PEL: N/A  
ACGIH TLV: N/A  
Other Limits Recommended: N/A  
Toxicity Data:  
ORL-RAT LD<sub>50</sub> 550 mg kg<sup>-1</sup>

### Section 3

#### PHYSICAL CHEMICAL CHARACTERISTICS

Appearance: A clear, transparent, colorless, practically odorless liquid free from foreign matter, sediment and turbidity.  
Solubility: Soluble in water  
Boiling Point: N/A  
Melting Point: N/A  
Density (H<sub>2</sub>O=1): 1.07  
Vapor Density (Air=1): N/A  
Vapor Pressure (mm Hg): N/A  
Evaporation Rate (Buryl Acetate=1): N/A

### Section 4

#### FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A  
Flammable Limits (LEL): N/A  
Flammable Limits (UEL): N/A  
Extinguishing Media: Water, Dry Chemical, Foam Carbon Dioxide  
Special Fire Fighting Procedures: Use self-contained breathing apparatus and full protective clothing  
Unusual Fire and Explosion Hazards: Emits toxic and corrosive fumes under fire conditions

### Section 5

#### REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.  
Incompatibility (Materials to Avoid): N/A  
Hazardous Decomposition or Byproducts: Thermal decomposition may generate carbon dioxide and carbon monoxide  
Hazardous Polymerization: Will not occur

### Section 6

#### HEALTH HAZARD DATA

Route(s) of entry: Inhalation: X Skin: X Ingestion: X  
Health Hazards:  
Acute: Eye, skin and/or respiratory tract irritation  
Chronic: Possible hyper sensitization  
Carcinogenicity: Not known  
NTP: N/A  
IARC Monographs: N/A  
OSHA Regulated: N/A  
Signs And Symptoms Exposure: Same as health hazards.  
Medical Conditions Aggravated By Exposure: Not Known  
Emergency and First Aid Procedure:  
Eyes: Flush with water for at least 15 minutes. Obtain medical treatment  
Ingestion: May cause irritation. Flush out mouth with water. Obtain medical treatment  
Inhalation: Remove victim to fresh air. Obtain emergency medical attention  
Skin Contact: Flush with water and remove clothing. Obtain medical treatment

Section 7

**PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in Case Material is Released or Spilled: Absorb spill. Clean area  
Waste Disposal Method: Comply with Federal, State, and Local Regulations.  
Precautions to be taken in Handling and Storing: Keep out of reach of children  
Other Precautions: N/A

Section 8

**CONTROL MEASURES**

Ventilation:  
Local Exhaust: Good normal ventilation  
Special: N/A  
Mechanical (General): N/A  
Other: N/A  
Protective Gloves: None for normal use. Use for bulk quantities.  
Eye Protection: Avoid contact. None needed for normal use. For bulk quantities use chemical splash goggles.  
Other Protective Clothing or Equipment: None needed for normal use. For bulk quantities have eyewash and safety shower available.  
Work/Hygienic Practices: Follow product directions.  
Respiratory (Specify Type): None for normal use



Revision Number: 001.2

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**1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

Product identifier used on the label: Sta-Flo Concentrated Liquid Starch

Recommended use of the chemical and restrictions on use: fabric conditioner, No restrictions on use.

Name, address and telephone number of the chemical manufacturer:

Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

Telephone: For medical emergencies 1-800-457-8739 CHEMTREC: 1-800-424-9300  
Internet: www.henkel-northamerica.com

**2. HAZARDS IDENTIFICATION**

The hazards described in this Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers, and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

HAZARD CLASS	HAZARD CATEGORY
None	None

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal word: Not prescribed

Hazard Statement(s):  
Not prescribed

Symbol(s): None

Precautionary Statements:

Prevention: Not prescribed  
Response: Not prescribed  
Storage: Not prescribed  
Disposal: Not prescribed

Hazards not otherwise classified: None known

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Borax	1330-43-4	0.1 - 1 %

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

**4. FIRST AID MEASURES**

#### Description of necessary measures

<b>Inhalation:</b>	Remove from exposure area to fresh air.
<b>Skin contact:</b>	First aid measures not required.
<b>Eye contact:</b>	Rinse eyes with plenty of water until no evidence of product remains.
<b>Ingestion:</b>	Dilution by rinsing the mouth and giving water or milk to drink is generally recommended.

#### Most important symptoms and effects, both acute and delayed

After eye contact: May cause mild transient irritation After skin contact: No adverse effects anticipated from normal use. After ingestion: May be fatal if swallowed and enters airways. Nausea and possible vomiting may occur. After inhalation: No adverse effects anticipated from normal use.

#### Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes with plenty of water until no evidence of product remains. After skin contact: First aid measures not required. After ingestion: May be fatal if swallowed and enters airways. Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air.

## 5. FIRE FIGHTING MEASURES

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.

**Unsuitable extinguishing media:** None known

#### Specific hazards arising from the chemical

Oxides of carbon and oxides of nitrogen.

#### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing hazardous vapors, keep upwind.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

#### Environmental precautions

Small or household quantities may be disposed in regular domestic trash. For larger quantities check with your local disposal authorities.

#### Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with sand or other absorbent material and place into clean, dry containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

Do not get in eyes. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use.

#### Conditions for safe storage, including any incompatibilities

Store in original containers in a cool dry area. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
None	None	None	None	None

### Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

### Individual protection measures

<b>Respiratory:</b>	Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.
<b>Eye:</b>	Safety glasses are required to prevent eye contact where dusty conditions may occur.
<b>Hand/Body:</b>	Protective gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	liquid light blue
<b>Odor:</b>	floral, woody
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	8.50 - 9.30
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	60 - 220 mPa.s
<b>VOC content:</b>	Not available.
<b>Specific gravity:</b>	1.025 - 1.040 at 25 °C (77°F)

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product reacts with acids.
<b>Chemical stability:</b>	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
<b>Conditions to avoid:</b>	Avoid storing in direct sunlight and avoid extremes of temperature.
<b>Incompatible materials:</b>	Strong oxidizers, acids.
<b>Hazardous decomposition products:</b>	Thermal decomposition products may include toxic oxides of sulfur and carbon, and hydrogen sulfide.

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

<b>Inhalation:</b>	Unlikely to occur due to the physical properties of the product.
<b>Skin contact:</b>	No adverse effects anticipated from normal use.
<b>Eye contact:</b>	This product may cause slight irritation.
<b>Ingestion:</b>	Nausea and possible vomiting may occur.
<b>Physical/Chemical:</b>	No physical/chemical hazards are anticipated for this product.

**Other relevant toxicity information:** This product is a laundry care product. Direct contact with eyes may cause irritation. No adverse effects are anticipated to skin from normal use.

### Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Borax	Oral LD50 (RAT) = 2,660 mg/kg Dermal LD50 (RABBIT) = > 1,055 mg/kg Inhalation LC50 (RAT, 4 h) = > 0.002 mg/l	Irritant, Skin, Less weight gain and food intake.

### Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Borax	No	No	No

**Carcinogenicity** None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

**Mutagenicity** None of the ingredients in this product are known to cause mutagenicity.

**Toxicity for reproduction** None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

#### Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

#### Toxicity to aquatic invertebrates:

The aquatic toxicity profile of this product has not been determined.

#### Toxicity to algae:

The aquatic toxicity profile of this product has not been determined.

### Persistence and degradability

No data available.

### Bioaccumulative potential

The bioaccumulation potential of this product has not been determined.

### Mobility in soil

The mobility of this product (in soil and water) has not been determined.

### 13. DISPOSAL CONSIDERATIONS

**Description of waste residues:**

**Hazardous waste number:** Not regulated

**Safe handling and disposal methods:**

**Recommended method of disposal:** This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

**Disposal of uncleaned packages:** Place in trash.

### 14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### 15. REGULATORY INFORMATION

**Occupational safety and health act:** Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** One or more components of this product are not listed on the U.S. Toxic Substances Control Act (TSCA) inventory. As such, this product may only be used for research and development purposes as described in 40 CFR 720.36. All other components of this product are listed or are exempt from listing.

**TSCA 12 (b) Export Notification:**

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Not available.  
**CERCLA/SARA Section 313:** None above reporting de minimis.

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

**Canada Regulatory Information**

**CEPA DSL/NDSL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

## 16. OTHER INFORMATION

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** R&D Support Services

**Issue date:** 02/08/2018



# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** STAINLESS STEEL CLEANER & POLISH

**Other means of identification**

**SDS number:** RE1000012336

**Recommended restrictions**

**Product use:** Cleaner

**Restrictions on use:** Not known.

**Manufacturer/Importer/Distributor Information**

**Manufacturer**

**Company Name:** CLAIRE MANUFACTURING COMPANY.  
**Address:** 1000 INTEGRAM DR.  
Pacific, MO 63069  
**Telephone:** 1-630-543-7600  
**Fax:**

**Emergency telephone number:** 1-866-836-8855

## 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

Flammable aerosol Category 1

**Health Hazards**

Serious Eye Damage/Eye Irritation Category 2A

Skin sensitizer Category 1

Specific Target Organ Toxicity -  
Single Exposure Category 3<sup>1</sup>.

Aspiration Hazard Category 1

**Target Organs**

1. Narcotic effect.

**Environmental Hazards**

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 2

**Label Elements**

**Hazard Symbol:**





<b>Signal Word:</b>	Danger
<b>Hazard Statement:</b>	Extremely flammable aerosol. Causes serious eye irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.
<b>Precautionary Statements</b>	
<b>Prevention:</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Avoid release to the environment.
<b>Response:</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor/... Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Wash contaminated clothing before reuse. Collect spillage.
<b>Storage:</b>	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
<b>Disposal:</b>	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
<b>Hazard(s) not otherwise classified (HNOC):</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Distillates (petroleum), hydrotreated light	64742-47-8	25 - <50%
White mineral oil (petroleum)	8042-47-5	20 - <50%
Propane	74-98-6	10 - <20%
2-Propanone	67-64-1	10 - <20%
Acetic acid, methyl ester	79-20-9	5 - <10%
Terpenes and Terpenoids, sweet orange-oil	68647-72-3	0.1 - <1%
2,6-Octadienal, 3,7-dimethyl-	5392-40-5	0.1 - <1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures



<b>Ingestion:</b>	Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Inhalation:</b>	Move to fresh air.
<b>Skin Contact:</b>	Get medical attention if symptoms occur. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
<b>Eye contact:</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Most important symptoms/effects, acute and delayed**

<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.

**Indication of immediate medical attention and special treatment needed**

<b>Treatment:</b>	No data available.
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**5. Fire-fighting measures**

<b>General Fire Hazards:</b>	Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.
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**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

<b>Specific hazards arising from the chemical:</b>	Vapors may travel considerable distance to a source of ignition and flash back.
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**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
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**Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

**Notification Procedures:** Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

## 7. Handling and storage

**Precautions for safe handling:** Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with eyes, skin, and clothing.

**Conditions for safe storage, including any incompatibilities:** Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Distillates (petroleum), hydrotreated light	REL	100 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Distillates (petroleum), hydrotreated light - Non-aerosol. - as total hydrocarbon vapor	TWA	200 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (2008)
	TWA	200 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (2008)
	REL	5 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
White mineral oil (petroleum) - Mist.	REL	5 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	5 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	10 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	5 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (01 2010)
Propane	REL	1,000 ppm 1,800 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm 1,800 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
2-Propanone	STEL	1,000 ppm 2,400 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	PEL	1,000 ppm 2,400 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	250 ppm	US. ACGIH Threshold Limit Values (03 2015)
	TWA	750 ppm 1,800 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	500 ppm	US. ACGIH Threshold Limit Values (03 2015)
	REL	250 ppm 590 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Acetic acid, methyl ester	REL	200 ppm 610 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical





				Hazards (2005)
	STEL	250 ppm	760 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm	610 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	250 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA	200 ppm	610 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm	760 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	200 ppm		US. ACGIH Threshold Limit Values (2008)
2,6-Octadienal, 3,7-dimethyl- - Inhalable fraction and vapor.	TWA	5 ppm		US. ACGIH Threshold Limit Values (01 2010)
Naphtha (petroleum), heavy alkylate	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)

### Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-Propanone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEL (03 2015)

**Appropriate Engineering Controls** No data available.

### Individual protection measures, such as personal protective equipment

**General information:** Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection**  
**Hand Protection:** No data available.

**Other:** Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Avoid contact with eyes. When using do not smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

## 9. Physical and chemical properties

### Appearance



<b>Physical state:</b>	liquid
<b>Form:</b>	Spray Aerosol
<b>Color:</b>	No data available.
<b>Odor:</b>	No data available.
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	No data available.
<b>Flash Point:</b>	-104.4 °C
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	13.5 %(V)
<b>Flammability limit - lower (%):</b>	2.7 %(V)
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	Avoid heat or contamination.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation:** No data available.

**Skin Contact:** No data available.



**Eye contact:** No data available.

**Ingestion:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** Not classified for acute toxicity based on available data.

**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.



**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Target Organs**

Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Distillates (petroleum),  
hydrotreated light No data available.



White mineral oil (petroleum)	No data available.
Propane	No data available.
2-Propanone	No data available.
Acetic acid, methyl ester	No data available.
Terpenes and Terpenoids, sweet orange-oil	No data available.
2,6-Octadienal, 3,7-dimethyl-	No data available.

**Other adverse effects:** Toxic to aquatic organisms.

### 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

**Contaminated Packaging:** No data available.

### 14. Transport information

#### DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	–
Packing Group:	II
Marine Pollutant:	No

Environmental Hazards:	No
Marine Pollutant	No

Special precautions for user: Not regulated.

#### IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2
Label(s):	–
EmS No.:	F-D, S-U
Packing Group:	–

Environmental Hazards:	Yes
Marine Pollutant	No

Special precautions for user: Not regulated.

#### IATA

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	–
Packing Group:	–

Environmental Hazards:	Yes
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Marine Pollutant No  
Special precautions for user: Not regulated.  
Cargo aircraft only: Allowed.

**15. Regulatory information**

**US Federal Regulations**

Restrictions on use: Not known.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Propane	lbs. 100
2-Propanone	lbs. 5000
Acetic acid, methyl ester	lbs. 100
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	lbs. 100

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Fire Hazard
- Immediate (Acute) Health Hazards
- Flammable aerosol
- Serious Eye Damage/Eye Irritation
- Skin sensitizer
- Specific Target Organ Toxicity - Single Exposure
- Aspiration Hazard

**SARA 302 Extremely Hazardous Substance**

<u>Chemical Identity</u>	<u>Reportable quantity</u>	<u>Threshold Planning Quantity</u>
Distillates (petroleum), hydrotreated light		
2-Propanone		
Acetic acid, methyl ester		
Terpenes and Terpenoids, sweet orange-oil		

**SARA 304 Emergency Release Notification**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Distillates (petroleum), hydrotreated light	
Propane	lbs. 100
2-Propanone	lbs. 5000
Acetic acid, methyl ester	lbs. 100
Terpenes and Terpenoids, sweet orange-oil	
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	lbs. 100

**SARA 311/312 Hazardous Chemical**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Distillates (petroleum), hydrotreated light	10000 lbs



White mineral oil (petroleum)	10000 lbs
Propane	10000 lbs
2-Propanone	10000 lbs
Acetic acid, methyl ester	10000 lbs
Terpenes and Terpenoids, sweet orange-oil	10000 lbs
2,6-Octadienal, 3,7-dimethyl-	10000 lbs
Naphtha (petroleum), heavy alkylate	10000 lbs
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	10000 lbs

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

**US State Regulations**

**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**

**Chemical Identity**

Distillates (petroleum), hydrotreated light  
White mineral oil (petroleum)  
Propane  
2-Propanone  
Acetic acid, methyl ester

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**

Distillates (petroleum), hydrotreated light  
White mineral oil (petroleum)  
Propane  
2-Propanone  
Acetic acid, methyl ester

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**International regulations**

**Montreal protocol**

Distillates (petroleum), hydrotreated light  
2-Propanone  
Acetic acid, methyl ester  
Terpenes and Terpenoids, sweet orange-oil

**Stockholm convention**

Distillates (petroleum), hydrotreated light  
2-Propanone  
Acetic acid, methyl ester  
Terpenes and



Terpenoids, sweet  
orange-oil

**Rotterdam convention**

Distillates (petroleum),  
hydrotreated light  
2-Propanone  
Acetic acid, methyl ester  
Terpenes and  
Terpenoids, sweet  
orange-oil

**Kyoto protocol**

**Inventory Status:**

Australia AICS:	Not in compliance with the inventory.
EINECS, ELINCS or NLP:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Mexico INSQ:	Not in compliance with the inventory.
Ontario Inventory:	Not in compliance with the inventory.
Taiwan Chemical Substance Inventory:	Not in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory

**16. Other information, including date of preparation or last revision**

<b>Issue Date:</b>	09/11/2019
<b>Revision Information:</b>	No data available.
<b>Version #:</b>	1.0
<b>Further Information:</b>	No data available.
<b>Disclaimer:</b>	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

Name, address, telephone number and emergency telephone number of the manufacturer:

Standard Ceramic Supply Company  
24 Chestnut Street / P.O. Box 16240  
Carnegie, PA 15106-2028  
Telephone / Emergency Telephone Number: 412-276-6333

Product Identifier used on the label: Standard Moist and Dry Clays 119, 205, 239, 245, 295, and 507

Recommended use of product: Ceramic ware

### Section 2: HAZARDS IDENTIFICATION

Hazard classification of chemical: Miscellaneous

Hazard Statement(s): Contains silica dust.

Precautionary statement(s): Not harmful in moist form.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	% OF FORMULA
Kaolin/Clay	1332-58-7	0% - 67%
Silicon Dioxide	14808-60-7	0% - 35%
Feldspar	68476-25-5	0% - 15%
Mullite	1302-78-9	0% - 5%
Calcium Carbonate	1317-65-3	0% - 5%
Bentonite	1302-78-9	0% - 2%
Ochre	1344-98-5	Confidential
Water	7732-18-5	

#### **Section 4: FIRST-AID MEASURES**

##### **DESCRIPTION OF FIRST-AID MEASURES**

**Ingestion:** Contact a physician immediately.

**Inhalation:** May cause irritation; remove from exposure.

**Skin Contact:** May cause irritation; rinse skin with soap and water.

**Eye Contact:** May cause irritation; flush eyes with water for at least 15 minutes. If irritation continues afterwards, contact a physician.

#### **Section 5: FIRE-FIGHTING MEASURES**

##### **EXTINGUISHING MEDIA**

**Suitable extinguishing media:** None

##### **SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS**

**Protective equipment for firefighters:** None

**Special firefighting procedures:** None

#### **Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, and/or Emergency Procedures:** None

**Environmental Precautions:** None

**Methods and Materials for Containment and Clean up:** Clean up any wet spills and clay slop with a damp sponge. For dry spills, spray with water and use a damp sponge to clean up.

**Special Spill Response Procedures:** None

#### **Section 7: HANDLING AND STORAGE**

**Precautions for Safe Handling and Use:** None

**Conditions for Safe Storage:** None

**Incompatible Materials:** None

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS**

Ingredients	OSHA PEL	ACGIH TLV
Kaolin/Clay	N/A	N/A
Silicon Dioxide	6mg/m <sup>3</sup>	3mg/m <sup>3</sup>
Feldspar	N/A	N/A
Mullite	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Calcium Carbonate	15mg/m <sup>3</sup>	N/A
Bentonite	30mg/m <sup>3</sup>	0.1mg/m <sup>3</sup>
Ochre	0.05mg/m <sup>3</sup>	0.05mg/m <sup>3</sup>
Water	N/A	N/A

**EXPOSURE CONTROLS**

**Ventilation and engineering measures:** None

**Respiratory protection:** Use a NIOSH approved respirator.

**Skin protection:** Wear appropriate protective clothing such as overalls, smocks, and aprons.

**Eye/face protection:** None

**Hygienic Practices:** Food, beverages, and smoking materials should not be in work area. Employees should wash hands thoroughly before eating, drinking, or smoking.

**Section 9: PHYSICAL/CHEMICAL PROPERTIES**

**Appearance (physical state, color, etc.):** Solid

**Upper/lower flammability or explosive limits:** None

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Odor:	None
Vapor pressure:	N/A
Odor threshold :	Negligible
Vapor density:	N/A
pH:	N/A
Relative density:	N/A
Freezing point:	N/A
Solubility(ies)	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	N/A
Evaporation rate:	N/A
Flammability (solid gas)	N/A
Partition coefficient: n-octanol/water:	None
Auto-ignition temperature:	N/A
Decomposition temperature:	None
Viscosity :	N/A

**Section 10 : STABILITY /REACTIVITY**

Reactivity: N/A

Chemical stability: Stable

Possibility of hazardous reactions: None

Conditions to avoid: None

Incompatible materials: None

Hazardous decomposition products: N/A

**Section 11: TOXICOLGICAL INFORMATION****INFORMATION ON LIKELY ROUTES OF EXPOSURE**

Routes of Entry: Inhalation is the most important during excessive handling of clay.

**POTENTIAL HEALTH EFFECTS, Signs and symptoms of short-term (acute) exposure:**

**Sign and symptoms inhalation:** Coughing or irritation may occur.

**Sign and symptoms ingestion:** Sickness or irritation may occur.

**Sign and symptoms skin:** Redness or irritation may occur.

**Sign and symptoms eyes:** Redness or irritation may occur.

**Potential chronic health effects:** These mixtures contain silica, which can cause Silicosis through inhalation over an extended period of time. Overexposure to silica may also result in injury to the lungs.

**Carcinogenicity:** Silica (Quartz) is a human carcinogen.

**Toxicological data:** These products conform to 16 CFR 1500.14 (LHAMA) and ASTM-4236. They have been certified by an independent, 3<sup>rd</sup> party toxicologist to be NON-TOXIC.

**Section 12: ECOLOGICAL INFORMATION (non-mandatory)**

**Eco toxicity:** None

**Persistence and degradability:** Yes

**Bioaccumulation potential:** No

**Mobility in soil:** No

**Other adverse environmental effects:** None

**Section 13: DISPOSAL CONSIDERATIONS (non-mandatory)**

**Handling for Disposal:** None

**Methods of Disposal:** None

**Section 14: TRANSPORT INFORMATION (non-mandatory)**

**UN Shipping Name:** N/A

**UN Number:** N/A

**Environmental Hazard:** None

**Packing Group:** None

Transportation Hazard Class: N/A

Special Precautions: None

**NOT DANGEROUS FOR TRANSPORT**

#### **Section 15: REGULATORY INFORMATION (non-mandatory)**

Silica (Quartz) is listed by California, Proposition 65, as a carcinogen.

Silica (Quartz) is listed on the IARC, OSHA, and NTP carcinogen list.

All ingredients are on U.S. TSCA Inventory.

All products listed in this SDS conform to ASTM-4236 standards. Materials have been evaluated under the provisions of 16 CFR 1500.14 of the Labeling of Hazardous Art Material Act. These products have been listed as non-toxic and non-flammable under proposed use conditions. No specific warning is required.

#### **Section 16: OTHER INFORMATION**

This information is furnished with out warranty, representation, inducement or license or any kind, except that it is accurate to the best of knowledge of Standard Ceramic Supply Company or obtained from other references and sources believed to be accurate.

Standard Ceramic Supply Company does not assume any legal responsibility for use or reliance on our products. Customers are encouraged to conduct their own tests before using any product. Read all product labels prior to handling.

Preparation date: 05/22/2014

## Safety Data Sheet

STAPLES SCHOOL GLUE

Printing date 03.08.2009

Revision: 31.07.2009

**1 Identification of the substance/preparation and of the company/undertaking**

- **Product details**
- **Trade name:** KAIDA WHITE GULE
- **Registration number:** Not available.
- **Application of the substance / the preparation:** Craft bond/Adhesive
- **Manufacturer/Supplier:**  
ZHEJIANG KAIDA STATIONERY CO., LTD.  
BRIDGE 7th, HONGDA ROAD, XIAOSHAN ECONOMIC & TECHNOLOGICAL DEVELOPMENT ZONE,  
HANGZHOU, 311215, ZHEJIANG, PRC  
Tel:0571-82696619  
Fax:0571-82696096
- **Further information obtainable from:** ZHEJIANG KAIDA STATIONERY CO., LTD.
- **Information in case of emergency:**  
Cherie Lu  
MP:(0)13588823977
- **Email:** cherie@kaidastationery.com.cn
- **Reference Number:** SHT002916240; SH9146106/CHEM

**2 Hazards identification**

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3 Composition/information on ingredients**

- **Chemical characterization**
- **Description:**  
Mixture of substances listed below with nonhazardous additions.  
For the wording of the listed risk phrases refer to section 16.
- **Dangerous components:** Not applicable.

· **Non-dangerous component:**

CAS: 7732-18-5	water, distilled, conductivity or of similar purity	63,0%
EINECS: 231-791-2		
CAS: 9003-20-7	Polyvinyl acetate	35,0%
CAS: 57-55-6	propane-1,2-diol	2,0%
EINECS: 200-338-0		

- **Remark:**  
Propane-1,2-diol(CAS NO.57-55-6)  
Synonym: Propylene glycol

**4 First aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

**5 Fire-fighting measures**

- **Suitable extinguishing agents:**  
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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## Safety Data Sheet

Printing date 03.08.2009

Revision: 31.07.2009

Trade name: KAIDA WHITE GULE

(Contd. of page 1)

- **Protective equipment:**  
Wear fully protective suit.  
Do not inhale explosion gases or combustion gases.

**6 Accidental release measures**

- **Person-related safety precautions:**  
Ensure adequate ventilation.  
Wear protective clothing.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**7 Handling and storage**

- **Handling**
- **Information for safe handling:**  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:**  
Protect from heat.  
Keep respiratory protective device available.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.  
Store in a cool location.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with textiles.  
Do not store together with acids.  
Store away from strong oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

**8 Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

57-55-6 propane-1,2-diol (2,0%)	
WEL (Great Britain)	474* 10** mg/m <sup>3</sup> , 150* ppm
WEEL (USA)	10 mg/m <sup>3</sup>

- **DNELs:** Not available.
- **PNECs:** Not available.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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## Safety Data Sheet

Printing date 03.08.2009

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Trade name: KAIDA WHITE GULE

(Contd. of page 2)

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling.**9 Physical and chemical properties**· **General Information**

· <b>Form:</b>	Liquid
· <b>Colour:</b>	White
· <b>Odour:</b>	Mild
· <b>Change in condition:</b>	
· <b>Melting point/Melting range:</b>	Not available.
· <b>Boiling point/Boiling range:</b>	Not available.
· <b>Flash point:</b>	Not available.
· <b>Flammability (solid, gaseous):</b>	Not available.
· <b>Ignition temperature:</b>	Not available.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not available.
· <b>Upper:</b>	Not available.
· <b>Oxidizing properties:</b>	Not available.
· <b>Vapour pressure:</b>	Not available.
· <b>Density:</b>	Not available.
· <b>Relative density:</b>	Not available.
· <b>Vapour density:</b>	Not available.
· <b>Evaporation rate:</b>	Not available.
· <b>Solubility in / Miscibility with:</b>	
· <b>water:</b>	Not available.
· <b>pH-value:</b>	Not available.
· <b>Segregation coefficient (n-octanol/water):</b>	Not available.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not available.

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong oxidizing agents.
- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide

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(Contd. on page 4)

## Safety Data Sheet

Printing date 03.08.2009

Revision: 31.07.2009

Trade name: KAIDA WHITE GULE

(Contd. of page 3)

**11 Toxicological information**· **Acute toxicity**· **LD/LC50 values relevant for classification:**

57-55-6 propane-1,2-diol

Oral | LD50 | 2000 mg/kg (rat)

Dermal | LD50 | 20800 mg/kg (rabbit)

· **Primary irritant effect**· **on the skin:** Irritating effects possible.· **on the eye:** Irritating effects possible.· **Sensitization:** Sensitization possible.· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

· **Toxicokinetics, metabolism and distribution:** Not available.· **Acute effects (acute toxicity, irritation and corrosivity):** Not available.· **Repeated dose toxicity:** Not available.· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not available.**12 Ecological information**· **Information about elimination (persistence and degradability):** Not available.· **Behaviour in environmental systems**· **Mobility and bioaccumulation potential:** Not available.· **Ecotoxicological effects**· **Acquatic toxicity:** Not available.· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **PBT assessments:** Not available.**13 Disposal considerations**· **Product**· **Recommendation:** Smaller quantities can be disposed of with household waste.· **Uncleaned packaging**· **Recommendation:** Disposal must be made according to official regulations.**14 Transport information**· **Land transport ADR/RID (cross-border)**· **ADR/RID class:** -· **Danger code (Kemler):** -· **UN-Number:** -· **Packaging group:** -· **Hazard label:** -· **Description of goods:** -· **Limited quantities (LQ):** -· **Transport category:** -· **Tunnel restriction code:** -

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## Safety Data Sheet

Printing date 03.08.2009

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Trade name: KAIDA WHITE GULE

(Contd. of page 4)

- Maritime transport IMDG
- IMDG Class: -
- UN Number: -
- Label: -
- Packaging group: -
- EMS Number: -
- Marine pollutant: No
- Proper shipping name: -

- Air transport ICAO-TI and IATA-DGR
- ICAO/IATA Class: -
- UN/ID Number: -
- Label: -
- Packaging group: -
- Proper shipping name: -

**15 Regulatory information**

· sera

· Section 355(extremely hazardous substances):

None of the ingredients is listed.

· Section 313(Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA(Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenicity categories

· EPA(Environmental Protection Agency):

None of the ingredients is listed.

· IARC(International Agency for Research on Cancer):

9003-20-7 | Polyvinyl acetate

3

· NTP(National Toxicology Program):

None of the ingredients is listed.

· TLV(Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

· NIOSH-Ca(National Institute for Occupational Safety and Health):

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety &amp; Health Administration):

None of the ingredients is listed.

· Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

(Contd. on page 6)

EU

## Safety Data Sheet

Printing date 03.08.2009

Revision: 31.07.2009

**Trade name: KAIDA WHITE GULE**

(Contd. of page 5)

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- **Special labelling of certain preparations:**  
Safety data sheet available for professional user on request.
- **National regulations**
- **Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**

### 16 Other information

\*\*\*\*\*  
The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

#### DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

\*\*\*\*\*  
End of document

EU

**Section 1 Chemical Product and Company Information**

5100 West Henrietta Rd  
 PO Box 92912  
 Rochester, NY 14692-9012  
 Tel: (800) 962-2660

**CHEMTREC 24 Hour Emergency**  
**Phone Number (800) 424-9300**  
 For laboratory use only.  
 Not for drug, food or household use.

**Product** STARCH, SOLUBLE  
**Synonyms** Amylodextrin ; Amylogen

**Section 2 Hazards Identification**

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

**Signal word:** Not classified  
**Pictograms:** Not classified  
**Target organs:** None known

**GHS Classification:** Not classified

**GHS Label information:**  
**Hazard statement(s):** Not classified  
**Precautionary statement(s):** Not classified

**Supplemental information:**

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 3 Composition / Information on Ingredients**

Chemical Name	CAS #	%	EINECS
Starch, soluble	9005-84-9	100%	232-686-4

**Section 4 First Aid Measures**

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

**Section 5 Fire Fighting Measures**

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, dry sand, alcohol foam.

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Dust dispersed in air becomes explosive when exposed to ignition sources.

**Section 6 Accidental Release Measures**

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Remove all sources of ignition. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Section 7 Handling & Storage**

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

**Section 8 Exposure Controls / Personal Protection**

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Starch (9005-25-8)	TWA: 10 mg/m <sup>3</sup> (A4)	TWA: 15 mg/m <sup>3</sup> (Total dust)	TWA: 10 mg/m <sup>3</sup> (Total dust)

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

**Section 9 Physical & Chemical Properties**

<b>Appearance:</b> Solid, white powder.	<b>Evaporation rate ( = 1):</b> Data not available	<b>Partition coefficient:</b> Data not available
<b>Odor:</b> Bland odor.	<b>Flammability (solid/gas):</b> Data not available.	<b>Auto-ignition temperature:</b> 410°C (770°F) [cloud]
<b>Odor threshold:</b> Data not available.	<b>Explosion limits: Lower / Upper:</b> Data not available	<b>Decomposition temperature:</b> Data not available.
<b>pH:</b> Data not available.	<b>Vapor pressure (mm Hg):</b> Data not available	<b>Viscosity:</b> Data not available.
<b>Melting / Freezing point:</b> Data not available	<b>Vapor density (Air = 1):</b> Data not available	<b>Molecular formula:</b> (C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub>
<b>Boiling point:</b> Data not available	<b>Relative density (Specific gravity):</b> 1.45	<b>Molecular weight:</b> (162.15) <sub>n</sub>
<b>Flash point:</b> Data not available	<b>Solubility(ies):</b> 5 g/100 ml water @ 20°C	

**Section 10 Stability & Reactivity**

**Chemical stability:** Stable **Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Excessive temperatures, heat, sparks, open flame and other sources of ignition. Avoid practices which produce dust.

**Incompatible materials:** No data available.

**Hazardous decomposition products:** None.

**Section 11 Toxicological Information**

**Acute toxicity:** Data not available

**Skin corrosion/irritation:** Data not available

**Serious eye damage/irritation:** Data not available

**Respiratory or skin sensitization:** Data not available

**Germ cell mutagenicity:** Data not available

**Carcinogenicity:** Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** Data not available

**STOT-single exposure:** Data not available

**STOT-repeated exposure:** Data not available

**Aspiration hazard:** Data not available

**Potential health effects:**

Inhalation: Inhalation of high concentrations may cause unpleasant deposits in the nasal passages.

Ingestion: Ingestion may cause stomach irritation.

Skin: No hazard known.

Eyes: Contact with eyes may cause irritation.

**Signs and symptoms of exposure:** See Potential health effects above.

**Additional information:** RTECS #: GM5090000 [Starch 9005-25-8]

**Section 12 Ecological Information**

**Toxicity to fish:** No data available

**Toxicity to daphnia and other aquatic invertebrates:** No data available

**Toxicity to algae:** No data available

**Persistence and degradability:** No data available **Bioaccumulative potential:** No data available

**Mobility in soil:** No data available **PBT and vPvB assessment:** No data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Section 13 Disposal Considerations**

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

**Section 14 Transport Information**

**UN/NA number:** Not applicable **Shipping name:** Not Regulated

**Hazard class:** Not applicable **Packing group:** Not applicable **Reportable Quantity:** No **Marine pollutant:** No

**Exceptions:** Not applicable **2012 ERG Guide #:** Not applicable

**Section 15 Regulatory Information**

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERCLA (RQ)	RCRA code	DSL	NDSL	WHMIS Classification
Starch, soluble	Listed	Not listed	Not listed	Listed	Not listed	Not listed

**Section 16 Additional Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 781.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Stearic Acid

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing dust or fumes (P261).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Stearic acid (reagent grade)	57-11-4	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH	284.49	>95%
Laboratory grade is 45-50% stearic acid and 44-49% palmitic acid.				
Synonym: Octadecanoic acid				

### SECTION 4 — FIRST AID MEASURES

Get medical advice or attention (P313).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible solid.

Flash Point 196 °C Autoignition temp. 395 °C.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

NFPA CODE

H-1

F-1

R-0

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wipe up the spill, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.  
Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White, waxy solid. Fatty acid odor.

Soluble: Many common organic solvents. Insoluble in water.

Boiling point: 183-184 °C for reagent grade

Melting point: 67 to 69 °C for reagent grade

Melting point: 55 to 56 °C for laboratory grade

Specific gravity: 0.839 for reagent grade

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers, bases and reducing agents.

Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

---

Acute effects: Skin, eye, and respiratory tract irritation.

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: N.A.

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-313-4).

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**SECTION 16 — OTHER INFORMATION**

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This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

Revision Date: March 21, 2014



# CON-LUX MATERIAL SAFETY DATA

PAGE 1

## SECTION I

DATE: 01/26/95

MANUFACTURER'S NAME: CON-LUX Coatings, Inc.

STREET ADDRESS: 226 Talmadge Rd. Edison, NJ 08818-0847

EMERGENCY TELEPHONE NOS:

Monday-Friday / 8:30am - 5:00pm: 908-287-4000

Off hours, Weekends, & Holidays: CHEMTREC 800-424-9300

PRODUCT CLASS: PHENOLIC VARNISH

TRADE NAME: STEEL-GUARD 45 ALUMINUM

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	! % !	! BY !	! WT !	OEL	! LEL !	! VAP PR !	! mmHg @ !	! 20C !
*ALUMINUM, METALLIC (AS NUISANCE DUST) CAS NO. 7429-90-5	!8%	!10mg/m3	!ACGIH-TLV	!	!	!	!	!1.00
	!	!15mg/m3	!OSHA-PEL	!	!	!	!	!
MINERAL SPIRITS CAS NO. 8052-41-3	!>1%	!100ppm	!OSHA-PEL	!	!1.0	!	!	!2.00
	!	!100ppm	!ACGHI-TLV	!	!	!	!	!
AROMATIC NAPHTHA CAS NO. 64742-95-6	!>1%	!100ppm	!OSHA-PEL	!	!1.0	!	!	!3.00
	!	!	!	!	!	!	!	!
AROMATIC HYDROCARBON CAS NO. 64742-94-5	!>1%	!100ppm (RECMD.)	!	!	!0.8	!	!	!10.00
	!	!TLV-PEL N/EST.	!	!	!	!	!	!

\* Material Regulated Under SARA Title III, Section 313

## SECTION III - PHYSICAL DATA

BOILING RANGE: 305 - 362F  
EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR  
% VOLATILE WEIGHT PER  
BY VOLUME: 59.06 GALLON 7.92

# CON-LUX MATERIAL SAFETY DATA

PRODUCT CODE 45

PAGE 2

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: COMBUSTIBLE LIQUID  
LEL: SEE SECTION II

FLASH POINT: 105F TCC

### EXTINGUISHING MEDIA:

Foam, CO<sub>2</sub>, Dry Chemical, Water Mist.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contains flammable solvent. DO NOT use in areas where sparks or open flames are present.

### SPECIAL FIRE FIGHTING PROCEDURES:

Smother flames with one of the above extinguishing media. Water may be used to cool down unopened containers in vicinity.

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II

### EFFECTS OF OVEREXPOSURE:

ACUTE: Irritation of eyes and skin may occur with overexposure. Continued breathing of vapors may irritate respiratory tract causing headache, nausea and dizziness.

CHRONIC: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

### EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Restore respiration if necessary. Treat symptomatically.

EYE CONTACT: Flush immediately with copious quantities of water for 15 minutes minimum. Consult a physician.

DERMAL CONTACT: Wash affected areas with soap and water. Remove contaminated clothing. Consult physician if irritation persists.

INGESTION: Drink 1 or 2 glasses of water to dilute DO NOT INDUCE VOMITING. If spontaneous vomiting occurs keep head at or below knee level to prevent aspiration into lungs. Consult physician or poison control center immediately.

PRIMARY ROUTES OF ENTRY: Inhalation and dermal contact

### TARGET ORGAN EFFECTS:

May Affect:

DERMAL SYSTEM

NERVOUS SYSTEM

# CON-LUX MATERIAL SAFETY DATA

PRODUCT CODE 45

PAGE 3

## SECTION VI - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (Materials to avoid):  
Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

May produce hazardous fumes when heated.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:  
Extreme heat, sparks  
or open flames.

## SECTION VII - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Wear appropriate personal protection equipment and approved respirator. Prevent material from contacting any water sources or sewers leading to surface waters.

WASTE DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: In outdoor or open areas, where sufficient ventilation has been determined to exist, a respirator is generally not required. In restricted ventilation areas, a NIOSH/MSHA approved organic vapor respirator is recommended. During spray application, a respirator providing both organic vapor and spray mist protection is recommended unless engineering controls are adequate.

VENTILATION: In confined spaces mechanical ventilation is required to keep the air contaminant concentration below current applicable OSHA permissible exposure units.

PROTECTIVE GLOVES: Impervious type required for long or repeated overexposure.

EYE PROTECTION: Use safety eye wear to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Prevent prolonged skin contact with contaminated clothing.

HYGIENIC PRACTICES: Wash hands before eating, smoking or using washroom facilities.

# CON-LUX MATERIAL SAFETY DATA

PRODUCT CODE 45

PAGE 4

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in areas designed to comply with ANSI/NFPA 30 Flammable and Combustible Liquids Code.

OTHER PRECAUTIONS: Ground containers when pouring liquids and powders to avoid static charge build up. Do not handle until manufacturers safety precautions have been read and understood. Provide adequate ventilation or respiratory protection to remove decomposition products during welding or flame cutting coated surfaces.

To the best of our knowledge, the information contained herein is accurate. However, CON-LUX Coatings, Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

# MATERIAL SAFETY DATA SHEET

CL8500  
05 00

DATE OF PREPARATION  
Nov 28, 2009

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NUMBER**

CL8500

**PRODUCT NAME**

STEEL-GUARD VOC Compliant Alkyd Colored Metallic Aluminum Coating, Alert Orange

**MANUFACTURER'S NAME**

THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

**Telephone Numbers and Websites**

<b>Regulatory Information</b>	(216) 566-2902 www.paintdocs.com
<b>Medical Emergency</b>	(216) 566-2917
<b>Transportation Emergency*</b>	(800) 424-9300
<i>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i>	

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
27	64742-88-7	<b>Mineral Spirits</b>		
		ACGIH TLV	100 PPM	2 mm
		OSHA PEL	100 PPM	
0.3	100-41-4	<b>Ethylbenzene</b>		
		ACGIH TLV	100 PPM	7.1 mm
		ACGIH TLV	125 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	125 PPM STEL	
1	1330-20-7	<b>Xylene</b>		
		ACGIH TLV	100 PPM	5.9 mm
		ACGIH TLV	150 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	150 PPM STEL	
2	64742-95-6	<b>Light Aromatic Hydrocarbons</b>		
		ACGIH TLV	Not Available	3.8 mm
		OSHA PEL	Not Available	
2	108-67-8	<b>1,3,5-Trimethylbenzene</b>		
		ACGIH TLV	25 PPM	2 mm
		OSHA PEL	25 PPM	
3	95-63-6	<b>1,2,4-Trimethylbenzene</b>		
		ACGIH TLV	25 PPM	2.03 mm
		OSHA PEL	25 PPM	
0.1	136-52-7	<b>Cobalt 2-Ethylhexanoate</b>		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	
0.1	61789-51-3	<b>Cobalt Naphthenate</b>		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	
1	13463-67-7	<b>Titanium Dioxide</b>		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

## SECTION 3 — HAZARDS IDENTIFICATION

**ROUTES OF EXPOSURE**

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

## HMIS Codes

Health	2*
Flammability	2
Reactivity	0

**EFFECTS OF OVEREXPOSURE**

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and reproductive systems.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None generally recognized.

**CANCER INFORMATION**

For complete discussion of toxicology data refer to Section 11.

**SECTION 4 — FIRST AID MEASURES**

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and laundry before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

**SECTION 5 — FIRE FIGHTING MEASURES****FLASH POINT**

100 °F PMCC

**LEL**

0.7

**UEL**

7.0

**FLAMMABILITY CLASSIFICATION**

Combustible, Flash above 99 and below 200 °F

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**SECTION 6 — ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

**SECTION 7 — HANDLING AND STORAGE****STORAGE CATEGORY**

DOL Storage Class II

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Contents are COMBUSTIBLE. Keep away from heat and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

**SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION****PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

**VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**RESPIRATORY PROTECTION**

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

**PROTECTIVE GLOVES**

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

**EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

**OTHER PRECAUTIONS**

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

<b>SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES</b>
---

<b>PRODUCT WEIGHT</b>	8.51 lb/gal	1019 g/l
<b>SPECIFIC GRAVITY</b>	1.02	
<b>BOILING POINT</b>	281 - 395 °F	138 - 201 °C
<b>MELTING POINT</b>	Not Available	
<b>VOLATILE VOLUME</b>	47%	
<b>EVAPORATION RATE</b>	Slower than ether	
<b>VAPOR DENSITY</b>	Heavier than air	
<b>SOLUBILITY IN WATER</b>	N.A.	
<b>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)</b>		
	3.13lb/gal	375g/l
	3.13lb/gal	375g/l
		Less Water and Federally Exempt Solvents
		Emitted VOC

<b>SECTION 10 — STABILITY AND REACTIVITY</b>
--

**STABILITY — Stable****CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

<b>SECTION 11 — TOXICOLOGICAL INFORMATION</b>
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**CHRONIC HEALTH HAZARDS**

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

**TOXICOLOGY DATA**

CAS No.	Ingredient Name			
64742-88-7	Mineral Spirits	LC50 RAT LD50 RAT	4HR	Not Available Not Available
100-41-4	Ethylbenzene	LC50 RAT LD50 RAT	4HR	Not Available 3500 mg/kg
1330-20-7	Xylene	LC50 RAT LD50 RAT	4HR	5000 ppm 4300 mg/kg
64742-95-6	Light Aromatic Hydrocarbons	LC50 RAT LD50 RAT	4HR	Not Available Not Available
108-67-8	1,3,5-Trimethylbenzene	LC50 RAT LD50 RAT	4HR	Not Available Not Available
95-63-6	1,2,4-Trimethylbenzene	LC50 RAT LD50 RAT	4HR	Not Available Not Available
136-52-7	Cobalt 2-Ethylhexanoate	LC50 RAT LD50 RAT	4HR	Not Available Not Available
61789-51-3	Cobalt Naphthenate	LC50 RAT LD50 RAT	4HR	Not Available Not Available
13463-67-7	Titanium Dioxide	LC50 RAT LD50 RAT	4HR	Not Available Not Available

**SECTION 12 — ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

No data available.

**SECTION 13 — DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14 — TRANSPORT INFORMATION****US Ground (DOT)**

May be Classed as a Combustible Liquid for U.S. Ground.  
UN1263, PAINT, 3, PG III, (ERG#128)

**DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities**

Xylenes (isomers and mixture) 100 lb RQ

**Bulk Containers may be Shipped as (check reportable quantities):**

UN1263, PAINT, COMBUSTIBLE LIQUID, PG III, (ERG#128)

**Canada (TDG)**

May be Classed as a Combustible Liquid for Canadian Ground.  
UN1263, PAINT, CLASS 3, PG III, (ERG#128)

**IMO**

UN1263, PAINT, CLASS 3, PG III, (38 C c.c.), EmS F-E, S-E

**SECTION 15 — REGULATORY INFORMATION****SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
100-41-4	Ethylbenzene	0.2	
1330-20-7	Xylene	1	
95-63-6	1,2,4-Trimethylbenzene	3	
	Cobalt Compound	0.2	0.06

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# MATERIAL SAFETY DATA SHEET

CL8501  
05 00

DATE OF PREPARATION  
Nov 30, 2010

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NUMBER**

CL8501

**PRODUCT NAME**

STEEL-GUARD VOC Compliant Alkyd Colored Metallic Aluminum Coating, Pacific Blue

**MANUFACTURER'S NAME**

THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

**Telephone Numbers and Websites**

<b>Regulatory Information</b>	(216) 566-2902 www.paintdocs.com
<b>Medical Emergency</b>	(216) 566-2917
<b>Transportation Emergency*</b>	(800) 424-9300
<small>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</small>	

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
26	64742-88-7	<b>Mineral Spirits</b>		
		ACGIH TLV	100 PPM	2 mm
		OSHA PEL	100 PPM	
0.3	100-41-4	<b>Ethylbenzene</b>		
		ACGIH TLV	100 PPM	7.1 mm
		ACGIH TLV	125 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	125 PPM STEL	
1	1330-20-7	<b>Xylene</b>		
		ACGIH TLV	100 PPM	5.9 mm
		ACGIH TLV	150 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	150 PPM STEL	
2	64742-95-6	<b>Light Aromatic Hydrocarbons</b>		
		ACGIH TLV	Not Available	3.8 mm
		OSHA PEL	Not Available	
2	108-67-8	<b>1,3,5-Trimethylbenzene</b>		
		ACGIH TLV	25 PPM	2 mm
		OSHA PEL	25 PPM	
3	95-63-6	<b>1,2,4-Trimethylbenzene</b>		
		ACGIH TLV	25 PPM	2.03 mm
		OSHA PEL	25 PPM	
0.1	136-52-7	<b>Cobalt 2-Ethylhexanoate</b>		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	
6	1332-58-7	<b>Kaolin</b>		
		ACGIH TLV	2 mg/m3 as Resp. Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	
2	13463-67-7	<b>Titanium Dioxide</b>		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

## SECTION 3 — HAZARDS IDENTIFICATION

**ROUTES OF EXPOSURE**

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.  
**EFFECTS OF OVEREXPOSURE**

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system
- the reproductive system

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None generally recognized.

**CANCER INFORMATION**

For complete discussion of toxicology data refer to Section 11.

**HMIS Codes**

Health	2*
Flammability	2
Reactivity	0

**SECTION 4 — FIRST AID MEASURES**

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

**SECTION 5 — FIRE FIGHTING MEASURES**

**FLASH POINT**

100 °F PMCC

**LEL**

0.7

**UEL**

7.0

**FLAMMABILITY CLASSIFICATION**

Combustible, Flash above 99 and below 200 °F

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

**SECTION 7 — HANDLING AND STORAGE**

**STORAGE CATEGORY**

DOL Storage Class II

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Contents are COMBUSTIBLE. Keep away from heat and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

**SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION**

**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

**VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**RESPIRATORY PROTECTION**

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

**PROTECTIVE GLOVES**

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

**EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

**OTHER PRECAUTIONS**

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

<b>PRODUCT WEIGHT</b>	8.39 lb/gal	1005 g/l
<b>SPECIFIC GRAVITY</b>	1.01	
<b>BOILING POINT</b>	281 - 395 °F	138 - 201 °C
<b>MELTING POINT</b>	Not Available	
<b>VOLATILE VOLUME</b>	47%	
<b>EVAPORATION RATE</b>	Slower than ether	
<b>VAPOR DENSITY</b>	Heavier than air	
<b>SOLUBILITY IN WATER</b>	N.A.	
<b>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)</b>		
	3.15 lb/gal	377 g/l
	Less Water and Federally Exempt Solvents	
	3.15 lb/gal	377 g/l
	Emitted VOC	

**SECTION 10 — STABILITY AND REACTIVITY****STABILITY — Stable****CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

**SECTION 11 — TOXICOLOGICAL INFORMATION****CHRONIC HEALTH HAZARDS**

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

**TOXICOLOGY DATA**

CAS No.	Ingredient Name			
64742-88-7	Mineral Spirits	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
100-41-4	Ethylbenzene	LC50 RAT	4HR	Not Available
		LD50 RAT		3500 mg/kg
1330-20-7	Xylene	LC50 RAT	4HR	5000 ppm
		LD50 RAT		4300 mg/kg
64742-95-6	Light Aromatic Hydrocarbons	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
108-67-8	1,3,5-Trimethylbenzene	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
95-63-6	1,2,4-Trimethylbenzene	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
136-52-7	Cobalt 2-Ethylhexanoate	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
1332-58-7	Kaolin	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
13463-67-7	Titanium Dioxide	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

**SECTION 12 — ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

No data available.

**SECTION 13 — DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14 — TRANSPORT INFORMATION****US Ground (DOT)**

May be Classed as a Combustible Liquid for U.S. Ground.

UN1263, PAINT, 3, PG III, (ERG#128)

**DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities**

Xylenes (Isomers and mixture) 100 lb RQ

**Bulk Containers may be Shipped as (check reportable quantities):**

UN1263, PAINT, COMBUSTIBLE LIQUID, PG III, (ERG#128)

**Canada (TDG)**

May be Classed as a Combustible Liquid for Canadian Ground.

UN1263, PAINT, CLASS 3, PG III, (ERG#128)

**IMO**

UN1263, PAINT, CLASS 3, PG III, (38 C c.c.), EmS F-E, S-E, ADR (D/E)

**SECTION 15 — REGULATORY INFORMATION****SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
100-41-4	Ethylbenzene	0.3	
1330-20-7	Xylene	1	
95-63-6	1,2,4-Trimethylbenzene	3	
	Cobalt Compound	0.1	0.02

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CL8501

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



## SAFETY DATA SHEET

### Stoko Refresh Moisturizing Foam Soap

#### 1. Identification

##### Product identifier

**Product name** Stoko Refresh Moisturizing Foam Soap  
**Product number** 29932-US,33200-US  
**Container size** 800 ml,1100 ml

##### Details of the supplier of the safety data sheet

**Supplier** Deb USA, Inc.  
 2815 Coliseum Centre Drive, Suite 600  
 Charlotte, North Carolina 28217 USA  
 800-248-7190

**Manufacturer** Deb-Stoko USA LLC  
 2408 Doyle Street  
 Greensboro NC 27408 USA

##### Emergency telephone number

**Emergency telephone** (800) 424-9300 CHEMTREC (North America) (703) 527-3887 CHEMTREC (International, call collect)

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Not Classified

##### Label elements

**Hazard statements** NC Not Classified

#### 3. Composition/information on ingredients

##### Mixtures

**Inci** Water (Aqua),Sodium Laureth Sulfate,Cocamidopropyl Betaine,PEG-200 Hydrogenated Glyceryl Palmate,PEG-7 Glyceryl Cocoate,Undecyleneamidopropyltrimonium Methosulfate,Citric Acid,Benzyl Alcohol,Methylchloroisothiazolinone,Methylisothiazolinone,Blue No. 1 (CI 42090),Fragrance (Parfum)

#### 4. First-aid measures

##### Description of first aid measures

**Inhalation** Not relevant. Unlikely route of exposure as the product does not contain volatile substances.

**Ingestion** Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Skin Contact** Not relevant.

## Stoko Refresh Moisturizing Foam Soap

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

### Most important symptoms and effects, both acute and delayed

**Inhalation** No specific symptoms known.

**Ingestion** No specific symptoms known.

**Eye contact** May cause temporary eye irritation.

### Indication of immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendations.

## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

### Special hazards arising from the substance or mixture

**Hazardous combustion products** No known hazardous decomposition products.

### Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with eyes.

### Environmental precautions

**Environmental precautions** Not considered to be a significant hazard due to the small quantities used.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Flush away spillage with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Avoid runoff into storm sewers and ditches which lead to waterways.

**Reference to other sections** For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Avoid contact with eyes.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly closed original container.

### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## 8. Exposure Controls/personal protection

**Ingredient comments** EU = Indicative Values according to Commission Directive 91/322/EEC.

### Exposure controls



## Stoko Refresh Moisturizing Foam Soap

<b>Appropriate engineering controls</b>	Not relevant.
<b>Eye/face protection</b>	Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.
<b>Hand protection</b>	Not relevant.
<b>Respiratory protection</b>	Not relevant.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Color</b>	Blue.
<b>Odor</b>	Fragrant
<b>pH</b>	4.5 - 6.5 (10%)
<b>Relative density</b>	approx. 1.00

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures.
<b>Possibility of hazardous reactions</b>	Not known.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended.

### 11. Toxicological information

#### Information on toxicological effects

<b>Toxicological effects</b>	No data recorded.
<b>Inhalation</b>	No specific health hazards known.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin Contact</b>	Skin irritation should not occur when used as recommended.
<b>Eye contact</b>	May cause temporary eye irritation.

### 12. Ecological Information

<b>Ecotoxicity</b>	Not regarded as dangerous for the environment.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	No data available on bioaccumulation.

## Stoko Refresh Moisturizing Foam Soap

### Mobility in soil

**Mobility** The product is miscible with water and may spread in water systems.

### Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Other adverse effects

**Other adverse effects** None known.

## 13. Disposal considerations

### Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 14. Transport information

**Road transport notes** Not classified.

**Rail transport notes** Not classified.

**Sea transport notes** Not classified.

**Air transport notes** Not classified.

### UN Number

Not applicable.

### UN proper shipping name

Not applicable.

### Transport hazard class(es)

Not applicable.

### Packing group

Not applicable.

### Environmental hazards

#### **Environmentally Hazardous Substance**

No.

### Special precautions for user

Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

## Stoko Refresh Moisturizing Foam Soap

**Regulatory Status**

This product is manufactured and labeled in compliance with the Federal Food, Drug, and Cosmetic Act, and is exempt from the labeling requirements of the OSHA Hazard Communication Standard.

**16. Other Information**

<b>Revision comments</b>	New SDS Software
<b>Revision date</b>	5/28/2015
<b>Revision</b>	3
<b>Supersedes date</b>	5/28/2015
<b>SDS No.</b>	20961
<b>ACA HMIS Health rating.</b>	Minimal Hazard. (0)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Flammability rating.</b>	Will not burn. (0)

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



# Stroke & Coat Glazes

## SECTION 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

**Product Identification:** Stroke & Coat® Glazes

**Product Usage:** Glazing of ceramic ware

### Product Identifier Codes:

**Opaque Glazes:** SC-1 Pink-A-Boo, SC-2 Melon-choly, SC-3 Wine About It, SC-4 Salsa, SC-5 Tiger Tail, SC-6 Sunkissed, SC-7 Leapin' Lizard, SC-8 Just Froggy, SC-9 Jaded, SC-10 Teal Next Time, SC-11 Blue Yonder, SC-12 Moody Blue, SC-13 Grapel, SC-14 Java Bean, SC-15 Tuxedo, SC-16 Cotton Tail, SC-17 Cheeky Pinky, SC-18 Rosey Posey, SC-20 Birthday Suit, SC-22 Carrot Top, SC-23 Jack O' Lantern, SC-24 Dandelion, SC-25 Crackerjack Brown, SC-26 Green Thumb, SC-27 Sour Apple, SC-28 Blue Isle, SC-29 Blue Grass, SC-30 Blue Dawn, SC-31 The Blues, SC-32 Bluebeard, SC-33 Fruit Of The Vine, SC-34 Down To Earth, SC-35 Gray Hare, SC-36 Irish Luck, SC-37 Ivory Tower, SC-39 Army Surplus, SC-40 Blueberry Hill, SC-41 Brown Cow, SC-42 Butter Me Up, SC-43 Lettuce Alone, SC-45 My Blue Heaven, SC-46 Rawhide, SC-48 Camel Back, SC-50 Orange Ya Happy, SC-51 Poo Bear, SC-52 Toad-ily Green, SC-53 Purple Haze, SC-54 Vanilla Dip, SC-55 Yella Bout It, SC-58 501 Blues, SC-60 Silver Lining, SC-63 Popeye's Favorite, SC-65 Peri-Twinkle, SC-70 Pink-A-Dot, SC-71 Purple-licous, SC-72 Grape Jelly, SC-73 Candy Apple Red, SC-74 Hot Tamale, SC-75 Orange-A-Peel, SC-76 Cara-been Blue, SC-77 Glo-Worm, SC-78 Lime Light, SC-79 It's Sage, SC-80 Basketball, SC-81 Cinnamon Stix, SC-82 Tuscan Red, SC-83 Tip Taupe, SC-84 Dee John, SC-85 Orkid, SC-86 Old Lace, SC-87 Ruby Slippers, SC-88 Tu Tu Tango, SC-89 Cute Pie Coral, SC-90 Elephant Ears, SC-91 Seabreeze, SC-92 Cafe Ole, SC-93 Honeydew List, SC-94 Curry Around, SC-95 Pinkie Swear, SC-96 Aqu-ward, SC-97 Cant-elope

<b>Manufacturer:</b>	Coloramics, LLC (D.B.A. Mayco Colors)
	4077 Weaver Court South
	Hilliard, Ohio 43026
	United States of America
	(614) 876-1171

IN CASE OF EMERGENCY PLEASE CONTACT YOUR REGIONAL/LOCAL POISON CONTROL CENTER

## SECTION 2: HAZARDS IDENTIFICATION

**Classification of mixture:** Non-classified (1999/45/EEC)

Each glaze family is a mixture of ceramic material containing, water, non-leaded frits, clay, and other minerals

and color pigments. Contains potential carcinogens: Crystalline silica (quartz), as an inhalation hazard, may be present if:

- Unfired, dried glaze is excessively handled and allowed to create dust.
- Mist is present after spray application

A few pigments may contain a very small amount of zirconium encapsulated cadmium, titanium dioxide, and other metals. Other ingredients present have no known acute toxicity.

**GHS Label Elements:** None Required

**Other Hazards:** None Known

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Each glaze family contain proprietary mixtures of ceramic materials (listed below) and color pigments. The Stroke & Coat® glaze line is classified as non-hazardous.

Ingredients	CAS #	Ranges of Percentages
Water	7732-18-5	42.1% - 47.4%
Frit	65997-18-4	34.5% - 40.2%
Clay/Kaolin	1332-58-7	4.6% - 5.3%
Silica (Quartz)	14808-60-7	4.6% - 5.3%
Zinc Oxide	1314-13-2	0% - 0.7%
Zirconium Silicate (Zr Si O <sub>4</sub> )	14940-68-2	0% - 8.7%
Bentonite	1302-78-9	0.6% - 0.7%
Carboxymethylcellulose	9004-34-2	0.7% - 0.8%
Proxel	75037-67-1	0.1%
Pigments	varies	varies

### SECTION 4: FIRST-AID MEASURES

- **Inhalation:** May cause irritation. Remove from exposure.
- **Skin:** May cause irritation. Wash skin with soap and water.
- **Eyes:** May cause irritation. Flush eyes with large quantities of water for at least 15 minutes. If irritation persists after washing, contact a physician.
- **Ingestion:** Contact a physician.

**Important Symptoms/Effects:** None Known

**Immediate Medical Attention/Special Treatment:** None Known

## SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** None
- **Specific Hazards Arising From Chemical:** None
- **Special Protective Equipment and Precautions for Fire Fighters:** None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions, Protective Equipment and/or Emergency Procedures:** None
- **Environmental Precautions:** None
- **Methods and Materials for Containment and Clean-Up:** Wipe/Mop spill area and rinse with water

## SECTION 7: HANDLING AND STORAGE

- **Precautions for Safe Handling:** Ventilation - local exhaust if spray application is used
- **Work/Hygienic Practices:** Food, beverages, and smoking materials should not be in the work area. Wash thoroughly before eating, drinking, smoking, or applying cosmetics.
- **Conditions for Safe Storage, Including Incompatibilities:** None

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients	CAS #	PEL	TLV
Silica (Quartz)	14808-60-7		0.025 mg/m <sup>3</sup>
Zinc Oxide	1314-13-2	5.0 mg/m <sup>3</sup>	2.0 mg/m <sup>3</sup>

Remaining main glaze ingredients do not have formal Exposure Limits. Some pigments contain metals that have exposure limits (Co, TiO<sub>2</sub>, Cu, Cr, Mn) but are used in low levels.

These glazes are non-hazardous liquid mixtures of ceramic materials containing, water, non-lead frits, clay, and other minerals and color pigments. These mixtures have no TLV or PEL.

- **Engineer Control:** Adequate ventilation (local exhaust) if spray application is used.
- **Respiratory Protection:** Use a NIOSH approved respirator if spray application is used.
- **Protective Gloves:** Not normally needed.
- **Eye Protection:** Wear appropriate eye protection or safety glasses to keep mist out of eyes if spray application is used.
- **Personal Protective Clothing or Equipment:** Wear appropriate clean, protective clothing such as, but not limited to, overalls, smocks, and aprons.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colored and/or Clear Liquid Mixtures
Odor/Odor Threshold:	Negligible
PH:	N/A
Boiling Point/Range:	N/A
Freezing point:	32°F
Flash Point:	None
Vapor Pressure:	N/A
Vapor Density:	N/A
Flammability:	None
Evaporation Rate:	None
Upper/Lower Explosive Limits:	None
Partition Coefficient (octanol/water):	N/A
Relative Density:	N/A
Solubility in Water:	Partial
Decompositional Temperature:	None
Viscosity:	N/A
Auto ignition temperature:	None

## SECTION 10: STABILITY AND REACTIVITY

Reactivity:	None Known
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	None Known
Conditions to Avoid:	Fumes from firing in kiln; Mist created from spray application.
Incompatible Material:	None Known
Hazardous Decomposition or By-Products:	None Known

## SECTION 11: TOXICOLOGY INFORMATION

**Primary Route(s) of Entry:** Dermal, Inhalation.

**Hazard to Humans:** None during normal use. The highest threat of inhalation exists during the excessive handling of dried, unfired glazed ware and/or during spray application.

Acute Toxicity: N/A	Carcinogenicity: N/A
Skin Corrosion/Irritation: N/A	Reproductive Toxicity: N/A
Serious Eye Damage/Irritation: N/A	STOT-Single Exposure: N/A

Respiratory/Skin Sensitization: N/A

STOT-Repeated Exposure: N/A

Germ Cell Mutagenicity: N/A

Aspiration Hazard: N/A

Additional information:

These mixtures contain silica, a known carcinogen. Inhalation is the route of entry into the body that can lead to the development of Silicosis.

These water-based, premixed products should be non-toxic during recommended use.

Some of the pigments may contain small amounts of various forms of metals (Sn, Mn, TiO<sub>2</sub>, Cu, Zr, V, Fe, Co, Cr, Ni, Cd), some of which are considered carcinogenic. The metals in pigments may be in form of frits, spinel or formed from high temperature calcination that may have a different bioavailability than the metal itself. Silica and pigments in the glaze should be non-toxic during recommended use.

## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	None
<b>Biodegradability:</b>	No
<b>Mobility in Soil:</b>	No
<b>Persistence:</b>	Yes
<b>Bioaccumulation:</b>	No
<b>Other Adverse Effects:</b>	None

## SECTION 13: DISPOSAL CONSIDERATIONS

Follow local, state and federal regulations.

## SECTION 14: TRANSPORTATION INFORMATION

Product Identifier: Non-Hazardous Mixtures

UN Shipping Name: N/A

UN Number: None

Environmental Hazard: None

Packing Group: None

Transportation Hazard Class: N/A

Special Precautions: None

## SECTION 15: REGULATORY INFORMATION



**Federal, State and Local regulations not provided elsewhere in the SDS:**

**National Regulations:**

United States:

- TSCA: all components of these products are on the US TSCA Inventory
- SARA Section 313 Toxic Chemicals: None
- IARC, OSHA and NTP: Silica (Quartz), Titanium Dioxide, Cobalt, Nickel and Chromium are listed on the carcinogen list.

**State Regulations:**

California

- Proposition 65: Silica (Quartz), Titanium Dioxide, Cobalt, Nickel and Chromium are listed on the carcinogen list.

**Chemical Safety Assessment:**

Conforms to ASTM D 4236 This material has been evaluated under the provisions of LHAMA (Labeling of Hazardous Art Material Act). This product is judged to be non-toxic and non- flammable under proposed use conditions. No special warning is required under the provisions of LHAMA or California Proposition 65 during use.

**SECTION 16: ADDITIONAL INFORMATION**

Mayco Glazes do not contain and products and/or ingredients derived from nuts, peanuts, eggs, milk, or gluten.  
Mayco Glazes do not contain latex.

This information is furnished with out warranty, representation, inducement or license of any kind, except that it is accurate to the best of knowledge of COLORAMICS, LLC or obtained from sources believed to be accurate.

COLORAMICS, LLC does not assume any legal responsibility for use or reliance on same. Customers are encouraged to conduct their own tests before using any product. Read the product label.

Acronyms used in this SDS:

- CAS #: Chemical Abstracts Service Number
- TSCA: Toxic Substances Control Act
- SARA: Superfund Amendments and Reauthorization Act
- IARC: International Agency for Research on Cancer
- OSHA: Occupational Safety and Health Administration
- NTP: National Toxicology Program
- PEL: Permissible Exposure Limit
- TLV: Threshold Limit Values

<b>Prepared:</b>	July 17, 2014
<b>Supersedes:</b>	November 4, 2010

# Safety Data Sheet

**RUST-OLEUM**  
CORPORATION  
\* Trusted Quality Since 1921 \*  
www.rustoleum.com

## 1. Identification

<b>Product Name:</b>	STRUST +SSPR 6PK GLOSS CRYSTAL CLEAR	<b>Revision Date:</b>	4/19/2016
<b>Product Identifier:</b>	7701830	<b>Supersedes Date:</b>	10/19/2015
<b>Product Use/Class:</b>	Topcoat/Aerosols		
<b>Supplier:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	<b>Manufacturer:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
<b>Preparer:</b>	Regulatory Department		
<b>Emergency Telephone:</b>	24 Hour Hotline: 847-367-7700		

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

Carcinogenicity, category 1B	H350	May cause cancer.
Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
Germ Cell Mutagenicity, category 1B	H340	May cause genetic defects.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Skin Irritation, category 2	H315	Causes skin irritation.

### GHS LABEL PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. NO SMOKING.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe dust, fumes, gases, mists, vapors, or spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313

IF exposed or concerned: Get medical advice/attention.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313

If eye irritation persists: Get medical advice/attention.

P362

Take off contaminated clothing.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

P410+P403

Protect from sunlight. Store in a well-ventilated place.

P410+P412

Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

### 3. Composition/Information On Ingredients

#### HAZARDOUS SUBSTANCES

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. % Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Acetone	67-64-1	25-50	GHS02-GHS07	H225-319-332-336
Propane	74-98-6	10-25	GHS04	H280
Toluene	108-88-3	10-25	GHS02-GHS07-GHS08	H225-304-315-332-336-373
n-Butyl Acetate	123-86-4	2.5-10	GHS02-GHS07	H226-336
n-Butane	106-97-8	2.5-10	GHS04	H280
Solvent Naphtha, Light Aromatic	64742-95-6	1.0-2.5	GHS07-GHS08	H304-332-340-350
1,2,4-Trimethylbenzene	95-63-6	1.0-2.5	GHS02-GHS07-GHS08	H226-304-315-319-332-335
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	1.0-2.5	GHS08	H304-340-350

### 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

### 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat due to buildup of steam. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials.

## 8. Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Acetone	67-64-1	30.0	250 ppm	500 ppm	1000 ppm	N.E.
Propane	74-98-6	20.0	N.E.	N.E.	1000 ppm	N.E.
Toluene	108-88-3	20.0	20 ppm	N.E.	200 ppm	300 ppm
n-Butyl Acetate	123-86-4	10.0	50 ppm	150 ppm	150 ppm	N.E.
n-Butane	106-97-8	10.0	N.E.	1000 ppm	N.E.	N.E.
Solvent Naphtha, Light Aromatic	64742-95-6	5.0	N.E.	N.E.	N.E.	N.E.
1,2,4-Trimethylbenzene	95-63-6	5.0	N.E.	N.E.	N.E.	N.E.
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	5.0	N.E.	N.E.	N.E.	N.E.

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Aerosolized Mist	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent Like	<b>Odor Threshold:</b>	N.E.
<b>Relative Density:</b>	0.747	<b>pH:</b>	N.A.
<b>Freeze Point, °C:</b>	N.D.	<b>Viscosity:</b>	No Information
<b>Solubility in Water:</b>	Slight	<b>Partition Coefficient, n-octanol/water:</b>	N.D.
<b>Decomposition Temp., °C:</b>	N.D.	<b>Explosive Limits, vol%:</b>	0.9 - 13.0
<b>Boiling Range, °C:</b>	-37 - 375	<b>Flash Point, °C:</b>	-96
<b>Flammability:</b>	Supports Combustion	<b>Auto-ignition Temp., °C:</b>	N.D.
<b>Evaporation Rate:</b>	Faster than Ether	<b>Vapor Pressure:</b>	N.D.
<b>Vapor Density:</b>	Heavier than Air		

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C). Avoid contact with strong acid and strong bases. Avoid all possible sources of ignition.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May be absorbed through the skin in harmful amounts. May cause skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
67-64-1	Acetone	5800 mg/kg Rat	N.I.	50.1 mg/L Rat
74-98-6	Propane	N.I.	N.I.	658 mg/L Rat
108-88-3	Toluene	2600 mg/kg Rat	12000 mg/kg Rabbit	12.5 mg/L Rat
123-86-4	n-Butyl Acetate	10768 mg/kg Rat	>17600 mg/kg Rabbit	> 21 mg/L Rat
106-97-8	n-Butane	N.I.	N.I.	658 mg/L Rat
64742-95-6	Solvent Naphtha, Light Aromatic	8400 mg/kg Rat	>2000 mg/kg Rabbit	N.I.
95-63-6	1,2,4-Trimethylbenzene	3280 mg/kg Rat	>3160 mg/kg Rabbit	18 mg/L Rat
64742-49-0	Naphtha, Petroleum, Hydrotreated Light	>5000 mg/kg Rat	>3160 mg/kg Rabbit	>4951 mg/L Rat

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components.

**13. Disposal Information**

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

**14. Transport Information**

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>TDG (Canada)</u>
UN Number:	N.A.	1950	1950	N.A.
Proper Shipping Name:	Paint Products in Limited Quantities	Aerosols	Aerosols	Paint Products in Limited Quantities
Hazard Class:	N.A.	2.1	2.1	N.A.
Packing Group:	N.A.	N.A.	N.A.	N.A.
Limited Quantity:	Yes	Yes	Yes	Yes

**15. Regulatory Information****U.S. Federal Regulations:****CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

**Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Toluene	108-88-3
1,2,4-Trimethylbenzene	95-63-6

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

**16. Other Information****HMIS RATINGS**

Health: 2\*    Flammability: 4    Physical Hazard: 0    Personal Protection: X

**NFPA RATINGS**

Health: 2    Flammability: 4    Instability: 0

**VOLATILE ORGANIC COMPOUNDS, g/L:** 586

**SDS REVISION DATE:** 4/19/2016

**REASON FOR REVISION:** Product Composition Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazard Identification  
09 - Physical & Chemical Properties  
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



# Safety Data Sheet

**RUST-OLEUM**  
CORPORATION  
\* Trusted Quality Since 1921 \*  
www.rustoleum.com

## 1. Identification

<b>Product Name:</b>	STRUST +SSPR 6PK GLOSS LEATHER BROWN	<b>Revision Date:</b>	9/20/2016
<b>Product Identifier:</b>	7775830	<b>Supersedes Date:</b>	5/25/2016
<b>Product Use/Class:</b>	Topcoat/Aerosols		
<b>Supplier:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	<b>Manufacturer:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
<b>Preparer:</b>	Regulatory Department		
<b>Emergency Telephone:</b>	24 Hour Hotline: 847-367-7700		

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

56% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Carcinogenicity, category 2	H351	Suspected of causing cancer..
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Eye Irritation, category 2	H319	Causes serious eye irritation.

### GHS LABEL PRECAUTIONARY STATEMENTS

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.

P501	Dispose of contents/container in accordance with local, regional and national regulations.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

### 3. Composition/Information On Ingredients

#### HAZARDOUS SUBSTANCES

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. % Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Acetone	67-64-1	25-50	GHS02-GHS07	H225-319-332-336
Propane	74-98-6	10-25	GHS04	H280
n-Butane	106-97-8	2.5-10	GHS04	H280
Dimethyl Carbonate	616-38-6	2.5-10	GHS02	H225
n-Butyl Acetate	123-86-4	2.5-10	GHS02-GHS07	H226-336
Xylenes (o-, m-, p- isomers)	1330-20-7	2.5-10	GHS02-GHS07	H226-315-319-332
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	2.5-10	GHS08	H304
Titanium Dioxide	1317-80-2	1.0-2.5	Not Available	Not Available
Propylene Glycol Monobutyl Ether	5131-66-8	1.0-2.5	GHS07	H302-315-319
Ethylbenzene	100-41-4	1.0-2.5	GHS02-GHS07-GHS08	H225-304-332-351-373
Iron Oxide	1309-37-1	1.0-2.5	Not Available	Not Available
Stoddard Solvent	8052-41-3	0.1-1.0	GHS08	H304-372
Carbon Black	1333-86-4	0.1-1.0	Not Available	Not Available

### 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

### 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. Closed containers may explode when exposed to extreme heat due to buildup of steam. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat.

## 8. Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL- TWA	OSHA PEL- CEILING
Acetone	67-64-1	30.0	250 ppm	500 ppm	1000 ppm	N.E.
Propane	74-98-6	20.0	N.E.	N.E.	1000 ppm	N.E.
n-Butane	106-97-8	10.0	N.E.	1000 ppm	N.E.	N.E.
Dimethyl Carbonate	616-38-6	10.0	N.E.	N.E.	N.E.	N.E.
n-Butyl Acetate	123-86-4	10.0	50 ppm	150 ppm	150 ppm	N.E.
Xylenes (o-, m-, p- isomers)	1330-20-7	10.0	100 ppm	150 ppm	100 ppm	N.E.
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	5.0	N.E.	N.E.	N.E.	N.E.
Titanium Dioxide	1317-80-2	5.0	N.E.	N.E.	N.E.	N.E.
Propylene Glycol Monobutyl Ether	5131-66-8	5.0	N.E.	N.E.	N.E.	N.E.
Ethylbenzene	100-41-4	5.0	20 ppm	N.E.	100 ppm	N.E.
Iron Oxide	1309-37-1	5.0	5 mg/m <sup>3</sup>	N.E.	10 mg/m <sup>3</sup>	N.E.
Stoddard Solvent	8052-41-3	1.0	100 ppm	N.E.	500 ppm	N.E.
Carbon Black	1333-86-4	1.0	3 mg/m <sup>3</sup>	N.E.	3.5 mg/m <sup>3</sup>	N.E.

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION:** Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Aerosolized Mist	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent Like	<b>Odor Threshold:</b>	N.E.
<b>Relative Density:</b>	0.770	<b>pH:</b>	NE
<b>Freeze Point, °C:</b>	ND	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Slight	<b>Partition Coefficient, n-octanol/water:</b>	N.D.
<b>Decomposition Temp., °C:</b>	N.D.	<b>Explosive Limits, vol%:</b>	0.9 - 13.0
<b>Boiling Range, °C:</b>	-37 - 1,649	<b>Flash Point, °C:</b>	-96
<b>Flammability:</b>	Supports Combustion	<b>Auto-ignition Temp., °C:</b>	N.D.
<b>Evaporation Rate:</b>	Faster than Ether	<b>Vapor Pressure:</b>	N.D.
<b>Vapor Density:</b>	Heavier than Air		

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C). Avoid all possible sources of ignition. Avoid contact with strong acid and strong bases.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. May cause skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula. Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010) Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches,

paralysis, and blurred vision) and/or damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

#### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
67-64-1	Acetone	5800 mg/kg Rat	N.I.	50.1 mg/L Rat
74-98-6	Propane	N.I.	N.I.	658 mg/L Rat
106-97-8	n-Butane	N.I.	N.I.	658 mg/L Rat
616-38-6	Dimethyl Carbonate	13000 mg/kg Rat	>5000 mg/kg Rabbit	140 mg/L Rat
123-86-4	n-Butyl Acetate	10768 mg/kg Rat	>17600 mg/kg Rabbit	> 21 mg/L Rat
1330-20-7	Xylenes (o-, m-, p- isomers)	3500 mg/kg Rat	>4350 mg/kg Rabbit	29.08 mg/L Rat
64742-49-0	Naphtha, Petroleum, Hydrotreated Light	>5000 mg/kg Rat	>3160 mg/kg Rabbit	>4951 mg/L Rat
5131-66-8	Propylene Glycol Monobutyl Ether	1900 mg/kg Rat	N.I.	N.I.
100-41-4	Ethylbenzene	3500 mg/kg Rat	15400 mg/kg Rabbit	17.4 mg/L Rat
1309-37-1	Iron Oxide	>10000 mg/kg Rat	N.I.	N.I.
1333-86-4	Carbon Black	>15400 mg/kg Rat	N.I.	N.I.

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)	TDG (Canada)
<b>UN Number:</b>	N.A.	1950	1950	N.A.
<b>Proper Shipping Name:</b>	Paint Products in Limited Quantities	Aerosols	Aerosols	Paint Products in Limited Quantities
<b>Hazard Class:</b>	N.A.	2.1	2.1	N.A.
<b>Packing Group:</b>	N.A.	N.A.	N.A.	N.A.
<b>Limited Quantity:</b>	Yes	Yes	Yes	Yes

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.
Dimethyl Carbonate	616-38-6

Xylenes (o-, m-, p- isomers)  
Ethylbenzene

1330-20-7  
100-41-4

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>Chemical Name</u>	<u>CAS-No.</u>
n-Nonane	111-84-2

<b>16. Other Information</b>
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**HMIS RATINGS**

Health: 2\*    Flammability: 4    Physical Hazard: 0    Personal Protection: X

**NFPA RATINGS**

Health: 2    Flammability: 4    Instability: 0

**VOLATILE ORGANIC COMPOUNDS, g/L:** 508

**SDS REVISION DATE:** 9/20/2016

**REASON FOR REVISION:** Regulatory Formula Source Changed  
Product Composition Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazard Identification  
09 - Physical & Chemical Properties  
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

# Safety Data Sheet



## 1. Identification

**Product Name:** STRUST +SSPR 6PK GLOSS REGAL RED      **Revision Date:** 2/9/2017  
**Product Identifier:** 7765830      **Supersedes Date:** 11/14/2016  
**Product Use/Class:** Topcoat/Aerosols  
**Supplier:** Rust-Oleum Corporation      **Manufacturer:** Rust-Oleum Corporation  
 11 Hawthorn Parkway      11 Hawthorn Parkway  
 Vernon Hills, IL 60061      Vernon Hills, IL 60061  
 USA      USA  
**Preparer:** Regulatory Department  
**Emergency Telephone:** 24 Hour Hotline: 847-367-7700

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

34% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

Carcinogenicity, category 2	H351	Suspected of causing cancer.
Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.

### GHS LABEL PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501	Dispose of contents/container in accordance with local, regional and national regulations.

### 3. Composition/Information On Ingredients

#### HAZARDOUS SUBSTANCES

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. % Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Acetone	67-64-1	10-25	GHS02-GHS07	H225-319-332-336
Propane	74-98-6	10-25	GHS04	H280
n-Butyl Acetate	123-86-4	10-25	GHS02-GHS07	H226-336
n-Butane	106-97-8	2.5-10	GHS04	H280
Dimethyl Carbonate	616-38-6	2.5-10	GHS02	H225
Xylenes (o-, m-, p- isomers)	1330-20-7	2.5-10	GHS02-GHS07	H226-315-319-332
Barium Sulfate	7727-43-7	2.5-10	Not Available	Not Available
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	1.0-2.5	GHS08	H304
Ethylbenzene	100-41-4	1.0-2.5	GHS02-GHS07- GHS08	H225-304-332-351-373
Propylene Glycol Monobutyl Ether	5131-66-8	1.0-2.5	GHS07	H302-315-319

### 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

### 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat due to buildup of steam. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. No unusual fire or explosion hazards noted.



**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only in a well-ventilated area. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of flammable aerosols. Keep away from heat, sparks, flame and sources of ignition. Contents under pressure. Do not expose to heat or store above 120 ° F. Avoid excess heat. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials.

## 8. Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL- TWA	OSHA PEL- CEILING
Acetone	67-64-1	25.0	250 ppm	500 ppm	1000 ppm	N.E.
Propane	74-98-6	25.0	N.E.	N.E.	1000 ppm	N.E.
n-Butyl Acetate	123-86-4	15.0	50 ppm	150 ppm	150 ppm	N.E.
n-Butane	106-97-8	10.0	N.E.	1000 ppm	N.E.	N.E.
Dimethyl Carbonate	616-38-6	10.0	N.E.	N.E.	N.E.	N.E.
Xylenes (o-, m-, p- isomers)	1330-20-7	5.0	100 ppm	150 ppm	100 ppm	N.E.
Barium Sulfate	7727-43-7	5.0	5 mg/m <sup>3</sup>	N.E.	15 mg/m <sup>3</sup>	N.E.
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	5.0	N.E.	N.E.	N.E.	N.E.
Ethylbenzene	100-41-4	5.0	20 ppm	N.E.	100 ppm	N.E.
Propylene Glycol Monobutyl Ether	5131-66-8	5.0	N.E.	N.E.	N.E.	N.E.

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications. Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Aerosolized Mist	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent Like	<b>Odor Threshold:</b>	N.E.
<b>Relative Density:</b>	0.760	<b>pH:</b>	N.A.
<b>Freeze Point, °C:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Slight	<b>Partition Coefficient, n-octanol/water:</b>	N.D.
<b>Decomposition Temp., °C:</b>	N.D.	<b>Explosive Limits, vol%:</b>	0.9 - 13.0
<b>Boiling Range, °C:</b>	-37 - 537	<b>Flash Point, °C:</b>	-96
<b>Flammability:</b>	Supports Combustion	<b>Auto-ignition Temp., °C:</b>	N.D.
<b>Evaporation Rate:</b>	Faster than Ether	<b>Vapor Pressure:</b>	N.D.
<b>Vapor Density:</b>	Heavier than Air		

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C). Avoid contact with strong acid and strong bases. Avoid all possible sources of ignition.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. May cause skin irritation. Allergic reactions are possible. Prolonged or repeated contact may cause skin irritation.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B).

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
67-64-1	Acetone	5800 mg/kg Rat	>15700 mg/kg Rabbit	50.1 mg/L Rat
74-98-6	Propane	N.I.	N.I.	658 mg/L Rat
123-86-4	n-Butyl Acetate	10768 mg/kg Rat	>17600 mg/kg Rabbit	> 21 mg/L Rat
106-97-8	n-Butane	N.I.	N.I.	658 mg/L Rat
616-38-6	Dimethyl Carbonate	13000 mg/kg Rat	>5000 mg/kg Rabbit	140 mg/L Rat
1330-20-7	Xylenes (o-, m-, p- isomers)	3500 mg/kg Rat	>4350 mg/kg Rabbit	29.08 mg/L Rat
64742-49-0	Naphtha, Petroleum, Hydrotreated Light	>5000 mg/kg Rat	>3160 mg/kg Rabbit	>4951 mg/L Rat
100-41-4	Ethylbenzene	3500 mg/kg Rat	15400 mg/kg Rabbit	17.4 mg/L Rat
5131-66-8	Propylene Glycol Monobutyl Ether	1900 mg/kg Rat	N.I.	N.I.

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>TDG (Canada)</u>
<b>UN Number:</b>	N.A.	1950	1950	N.A.
<b>Proper Shipping Name:</b>	Paint Products in Limited Quantities	Aerosols	Aerosols	Paint Products in Limited Quantities
<b>Hazard Class:</b>	N.A.	2.1	2.1	N.A.
<b>Packing Group:</b>	N.A.	N.A.	N.A.	N.A.
<b>Limited Quantity:</b>	Yes	Yes	Yes	Yes

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Dimethyl Carbonate	616-38-6
Xylenes (o-, m-, p- isomers)	1330-20-7
Ethylbenzene	100-41-4

#### Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

**16. Other Information****HMS RATINGS**

Health: 2\*    Flammability: 4    Physical Hazard: 0    Personal Protection: X

**NFPA RATINGS**

Health: 2    Flammability: 4    Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 563

SDS REVISION DATE: 2/9/2017

REASON FOR REVISION: Regulatory Formula Source Changed  
Product Composition Changed  
Substance and/or Product Properties Changed in Section(s):  
09 - Physical & Chemical Properties  
16 - Other Information  
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

# Safety Data Sheet

**RUST-OLEUM**  
CORPORATION  
\* Trusted Quality Since 1921 \*  
www.rustoleum.com

## 1. Identification

**Product Name:** STRUST QT 2PK GLOSS ALMOND **Revision Date:** 10/10/2014

**Product Identifier:** 7770502 **Supercedes Date:** New SDS

**Product Use/Class:** Topcoat/Alkyd

**Supplier:** Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA **Manufacturer:** Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA

**Preparer:** Regulatory Department

**Emergency Telephone:** 24 Hour Hotline: 847-367-7700

## 2. Hazard Identification

**EMERGENCY OVERVIEW:** Harmful if swallowed. Causes eye irritation. Vapors irritating to eyes and respiratory tract. Combustible liquid and vapor. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Flammable liquid and vapor. Use ventilation necessary to keep exposures below recommended exposure limits, if any. Vapor Harmful. Causes Eye, Skin, Nose, and Throat Irritation.

### Classification

#### Symbol(s) of Product



#### Signal Word

Danger

### GHS HAZARD STATEMENTS

Flammable Liquid, category 2	H225	Highly flammable liquid and vapour.
Acute Toxicity, Oral, category 5	H303	May be harmful if swallowed.
Acute Toxicity, Dermal, category 5	H313	May be harmful in contact with skin.
Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Organic Peroxide, categories C, D	H242	Heating may cause a fire.
Aspiration Hazard, category 2	H305	May be harmful if swallowed and enters airways.
Eye Irritation, category 2B	H320	Causes eye irritation.

### GHS PRECAUTIONARY STATEMENTS

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.

P234	Keep only in original container.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P285	In case of inadequate ventilation wear respiratory protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P351	Rinse cautiously with water for several minutes.
P374	Fight fire with normal precautions from a reasonable distance.
P402	Store in a dry place.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use ... for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to ...
P321	Specific treatment (see ... on this label).
P352	Wash with plenty of soap and water.
P362	Take off contaminated clothing and wash before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P220	Keep/Store away from clothing/.../combustible materials.
P410	Protect from sunlight.
P420	Store away from other materials.
P411+P235	Store at temperatures not exceeding ...°C/...°F. Keep cool.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.

### 3. Composition/Information On Ingredients

#### HAZARDOUS SUBSTANCES

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. % Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Stoddard Solvent	8052-41-3	25-50	GHS02	H224
Titanium Dioxide	13463-67-7	10-25		
Mineral Spirits	64742-88-7	10-25	GHS06	H331
Ethylbenzene	100-41-4	0.1-1.0	GHS02-GHS07	H225-332

The text for GHS Hazard Statements shown above (if any) is given in the "16. Other Information" section.

### 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

## 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep containers tightly closed. No unusual fire or explosion hazards noted. Closed containers may explode when exposed to extreme heat due to buildup of steam. Isolate from heat, electrical equipment, sparks and open flame.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Avoid excess heat. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids.

## 8. Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Stoddard Solvent	8052-41-3	35.0	100 ppm	N.E.	500 ppm	N.E.
Titanium Dioxide	13463-67-7	20.0	10 mg/m <sup>3</sup> (Total Dust)	N.E.	15 mg/m <sup>3</sup> (Total Dust)	N.E.
Mineral Spirits	64742-88-7	15.0	100 ppm	N.E.	100 ppm	N.E.
Ethylbenzene	100-41-4	1.0	20 ppm	125 ppm	100 ppm	N.E.

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

**SKIN PROTECTION:** Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Liquid	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Mild	<b>Odor Threshold:</b>	N.E.
<b>Relative Density:</b>	1.033	<b>pH:</b>	N.D.
<b>Freeze Point, °C:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Slight	<b>Partition Coefficient, n-octanol/ water:</b>	No Information
<b>Decomposition Temp., °C:</b>	No Information	<b>Explosive Limits, vol%:</b>	0.7 - 8.9
<b>Boiling Range, °C:</b>	212 - 400	<b>Flash Point, °C:</b>	>93
<b>Flammability:</b>	Does not Support Combustion	<b>Auto-ignition Temp., °C:</b>	No Information
<b>Evaporation Rate:</b>	Slower than Ether	<b>Vapor Pressure:</b>	N.D.
<b>Vapor Density:</b>	Heavier than Air		

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid all possible sources of ignition. Avoid temperatures above 120 ° F. Avoid contact with strong acid and strong bases.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin irritation. Causes skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	Titanium Dioxide	>10000 mg/kg Rat	N.I.	N.I.
64742-88-7	Mineral Spirits	>5000 mg/kg Rat	3000 mg/kg Rabbit	>5.28 mg/L Rat
100-41-4	Ethylbenzene	3500 mg/kg Rat	15354 mg/kg Rabbit	17.2 mg/L Rat

N.I. - No Information



## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>TDG (Canada)</u>
UN Number:	N.A.	1263	1263	N.A.
Proper Shipping Name:	Not Regulated	Paint	Paint	Not Regulated
Hazard Class:	N.A.	3	3	N.A.
Packing Group:	N.A.	III	III	N.A.
Limited Quantity:	No	Yes, >5L No	Yes, >5L No	No

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Ethylbenzene	100-41-4

#### Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

#### Inventory Information

<u>Country</u>	<u>Value</u>
USA (TSCA)	No Information
Canada (DSL)	No Information
Mexico(INSQ)	No Information
Europe (EINECS)	No Information
Japan (ENCS)	No Information
Philippines (PICCS)	No Information
China (IECSC)	No Information
Australia (AICS)	No Information
Korea (KECI)	No Information
New Zealand (NZIOC)	No Information

No Information

**CALIFORNIA PROPOSITION 65:**

Warning: This products contains a substance known to the State of California to cause cancer.

**Chemical Name****CAS-No.**

Titanium Dioxide

13463-67-7

Ethylbenzene

100-41-4

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: This product contains a substance known to the State of California to cause birth defects or other reproductive harm.

No Proposition 65 Reproductive Toxins exist in this product.

**International Regulations:****CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**16. Other Information****HMIS RATINGS**

Health: 2\* Flammability: 3 Physical Hazard: 0 Personal Protection: X

CANADIAN WHMIS CLASS: B3 D2A D2B

**NFPA RATINGS**

Health: 2 Flammability: 3 Instability 0

VOLATILE ORGANIC COMPOUNDS, g/L: 474

MSDS REVISION DATE: 10/10/2014

REASON FOR REVISION: No Information

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H224 Extremely flammable liquid and vapour.  
 H225 Highly flammable liquid and vapour.  
 H331 Toxic if inhaled.  
 H332 Harmful if inhaled.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS02



GHS06



**GHS07**

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

# Safety Data Sheet

**RUST-OLEUM**  
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## 1. Identification

**Product Name:** STRUST SSPR GLOSS CHROME 11 OZ      **Revision Date:** 10/14/2014

**Product Identifier:** 7718830      **Supersedes Date:** 10/13/2014

**Product Use/Class:** Topcoat/Aerosol

**Supplier:** Rust-Oleum Corporation      **Manufacturer:** Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA

**Preparer:** Regulatory Department

**Emergency Telephone:** 24 Hour Hotline: 847-367-7700

## 2. Hazard Identification

**EMERGENCY OVERVIEW:** Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Causes eye irritation. Use ventilation necessary to keep exposures below recommended exposure limits, if any. Vapor Harmful. Causes Eye, Skin, Nose, and Throat Irritation.

### Classification

#### Symbol(s) of Product



#### Signal Word

Danger

#### Possible Hazards

36% of the mixture consists of ingredient(s) of unknown acute toxicity

#### GHS HAZARD STATEMENTS

Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
Flammable Liquid, category 1	H224	Extremely flammable liquid and vapour.
Acute Toxicity, Oral, category 5	H303	May be harmful if swallowed.
Acute Toxicity, Dermal, category 5	H313	May be harmful in contact with skin.
Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Aspiration Hazard, category 2	H305	May be harmful if swallowed and enters airways.
Eye Irritation, category 2B	H320	Causes eye irritation.
Flammable Aerosol, category 1	H280	Contains gas under pressure; may explode if heated
Acute Toxicity, Oral, category 4	H302	Harmful if swallowed.

**GHS PRECAUTIONARY STATEMENTS**

P211	Do not spray on an open flame or other ignition source.
P220	Keep/Store away from clothing/.../combustible materials.
P235	Keep cool.
P251	Pressurized container: Do not pierce or burn, even after use.
P375	Fight fire remotely due to the risk of explosion.
P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P234	Keep only in original container.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P285	In case of inadequate ventilation wear respiratory protection.
P351	Rinse cautiously with water for several minutes.
P374	Fight fire with normal precautions from a reasonable distance.
P402	Store in a dry place.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use ... for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to ...
P321	Specific treatment (see ... on this label).
P352	Wash with plenty of soap and water.
P362	Take off contaminated clothing and wash before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
P330	Rinse mouth.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**3. Composition/Information On Ingredients****HAZARDOUS SUBSTANCES**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt.% Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Liquefied Petroleum Gas	68476-86-8	25-50		
Toluene	108-88-3	25-50	GHS02-GHS07	H225-302-332
Xylene (mixed isomers)	1330-20-7	10-25	GHS02	H226
Ethylbenzene	100-41-4	2.5-10	GHS02-GHS07	H225-332

Aluminum Flake

7429-90-5 1.0-2.5 GHS02

H228-261

The text for GHS Hazard Statements shown above (if any) is given in the "16. Other Information" section.

#### 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

#### 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN 20 ° F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. Closed containers may explode when exposed to extreme heat due to buildup of steam. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

#### 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

#### 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat.

#### 8. Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Liquefied Petroleum Gas	68476-86-8	40.0	N.E.	N.E.	N.E.	N.E.
Toluene	108-88-3	30.0	20 ppm	N.E.	200 ppm	300 ppm
Xylene (mixed isomers)	1330-20-7	15.0	100 ppm	150 ppm	100 ppm	N.E.
Ethylbenzene	100-41-4	5.0	20 ppm	125 ppm	100 ppm	N.E.
Aluminum Flake	7429-90-5	5.0	1 mg/m <sup>3</sup>	N.E.	15 mg/m <sup>3</sup> [Total Dust]	N.E.

#### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION:** Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Aerosolized Mist	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent Like	<b>Odor Threshold:</b>	N.E.
<b>Relative Density:</b>	0.731	<b>pH:</b>	N.D.
<b>Freeze Point, °C:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Slight	<b>Partition Coefficient, n-octanol/ water:</b>	No Information
<b>Decomposition Temp., °C:</b>	No Information	<b>Explosive Limits, vol%:</b>	0.9 - 9.5
<b>Boiling Range, °C:</b>	-34 - 400	<b>Flash Point, °C:</b>	-105
<b>Flammability:</b>	Does not Support Combustion	<b>Auto-ignition Temp., °C:</b>	No Information
<b>Evaporation Rate:</b>	Faster than Ether	<b>Vapor Pressure:</b>	N.D.
<b>Vapor Density:</b>	Heavier than Air		

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Flammable hydrogen gas will evolve when product comes in contact with water or damp air. Heat will be generated. The amount of heat generated will depend upon the volume of material in contact. Avoid temperatures above 120 ° F. Avoid all possible sources of ignition. Avoid contact with strong acid and strong bases.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalis.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May be absorbed through the skin in harmful amounts. Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. May cause skin irritation. Allergic reactions are possible.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. High concentrations may lead

to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

#### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
108-88-3	Toluene	636 mg/kg Rat	8390 mg/kg Rabbit	12.5 mg/L Rat
1330-20-7	Xylene (mixed isomers)	4300 mg/kg Rat	N.I.	47635 mg/L Rat
100-41-4	Ethylbenzene	3500 mg/kg Rat	15354 mg/kg Rabbit	17.2 mg/L Rat

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)	TDG (Canada)
<b>UN Number:</b>	N.A.	1950	1950	N.A.
<b>Proper Shipping Name:</b>	Paint Products in Limited Quantities	Aerosols	Aerosols	Paint Products in Limited Quantities
<b>Hazard Class:</b>	N.A.	2.1	2.1	N.A.
<b>Packing Group:</b>	N.A.	N.A.	N.A.	N.A.
<b>Limited Quantity:</b>	Yes	Yes	Yes	Yes

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.
Toluene	108-88-3
Xylene (mixed isomers)	1330-20-7
Ethylbenzene	100-41-4
Aluminum Flake	7429-90-5

#### Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.



**Inventory Information**

<u>Country</u>	<u>Value</u>
USA (TSCA)	No Information
Canada (DSL)	No Information
Mexico (INSQ)	No Information
Europe (EINECS)	No Information
Japan (ENCS)	No Information
Philippines (PICCS)	No Information
China (IECSC)	No Information
Australia (AICS)	No Information
Korea (KECI)	No Information
New Zealand (NZIOC)	No Information

No Information

**CALIFORNIA PROPOSITION 65:**

Warning: This products contains a substance known to the State of California to cause cancer.

<u>Chemical Name</u>	<u>CAS-No.</u>
Ethylbenzene	100-41-4

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: This product contains a substance known to the State of California to cause birth defects or other reproductive harm.

<u>Chemical Name</u>	<u>CAS-No.</u>
Toluene	108-88-3

**International Regulations:****CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**16. Other Information****HMIS RATINGS**

<b>Health:</b>	2*	<b>Flammability:</b>	4	<b>Physical Hazard:</b>	0	<b>Personal Protection:</b>	X
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CANADIAN WHMIS CLASS: AB5 D2A

**NFPA RATINGS**

<b>Health:</b>	2	<b>Flammability:</b>	4	<b>Instability</b>	0
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VOLATILE ORGANIC COMPOUNDS, g/L: 560

MSDS REVISION DATE: 10/14/2014

REASON FOR REVISION: No Information

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H261	In contact with water releases flammable gases.
H302	Harmful if swallowed.
H332	Harmful if inhaled.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS02



GHS07



Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 800.00

Revision Date: March 21, 2014

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Sulfur

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable solids (Category 1 & 2). Flammable solid (H228). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Skin corrosion/irritation (Category 2). Causes skin irritation (H315).

Hazard class: Acute toxicity, oral and inhalation (Category 5). May be harmful if swallowed or inhaled (H303+H333).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sulfur	7704-34-9	S	32.06	

### SECTION 4 — FIRST AID MEASURES

**If exposed or concerned:** Get medical advice or attention (P308+P313).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Rinse cautiously with water for several minutes (P351).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible solid.

Flash point: 207 °C Flammable limits: Lower: 3.3% Autoignition Temperature: 232 °C

Fire and explosion risk in finely divided form. When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a class D fire extinguisher or dry sand for extinction (P370+P378).

**NFPA CODE**

H-2

F-1

R-0

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #10. Store with sulfur and phosphorus.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Yellow crystals or powder. Faint odor of rotten eggs.	Boiling point: 444.6 °C
Soluble: Slightly in alcohol and other organic solvents. Insoluble in water.	Melting point: 119 °C
	Specific gravity: 2.06
	Vapor density: 8.9

**SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with oxidizers and moisture.  
Shelf life: Indefinite, if stored properly.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant.	ORL-RAT LD <sub>50</sub> : 8437 mg/kg
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: N.A.	EYE-HUM: 8 ppm

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Aquatic toxicity: TLm96: 1000 ppm

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #26a is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Sulfur. Hazard class: 9, Miscellaneous Hazardous. UN number: NA1350

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (231-722-6).

**SECTION 16 — OTHER INFORMATION**

This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

**Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.**

**Revision Date:** March 21, 2014



## Suma Break-Up D2.3 High Foaming Degreaser

Version Number: 1

Preparation date: 2014-06-05

### IDENTIFICATION

**Product name:** Suma Break-Up D2.3 High Foaming Degreaser  
**Product Code:** 93313117  
**SDS #:** MS0800158  
**Recommended use:**

- Industrial/Institutional
- Cleaner/Degreaser
- This product is intended to be diluted prior to use

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters Sealed Air 8215 Forest Point Blvd. Charlotte, NC 28273-5509 Phone: 1-888-352-2249 SDS Internet Address: www.sds.sealedair.com	Canadian Headquarters Sealed Air - Canada 3755 Laird Road Mississauga, Ontario L5L 0B3 Phone: 1-800-668-3131
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**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### Classification for the undiluted product

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

**Signal Word:****Danger.**

### Precautionary Statements

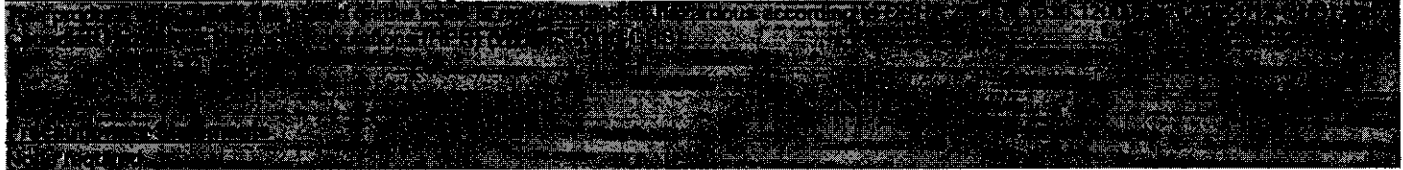
#### CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE.

Avoid contact with eyes, skin and clothing. Causes burns/ serious damage to mouth, throat and stomach. Keep container tightly closed. Wash affected areas thoroughly after handling. Wear chemical-splash goggles and chemical-resistant gloves. **IF SWALLOWED:** Rinse mouth. **DO NOT** induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Take off contaminated clothing and wash it before reuse. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ 1:256**



**COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

Ingredient(s)	CAS #	Weight %
Cocamidopropyl betaine	61789-40-0	10 - 20%
Lauryl dimethyl amine oxide	1643-20-5	5 - 10%
Alkyl poly glycoside	110615-47-9	5 - 10%
Sodium chloride	7647-14-5	3% - < 5%
Glycerin	56-81-5	1% - < 3%

\*Exact percentages are being withheld as trade secret information

**PRECAUTIONS**

**Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** Persons with pre-existing skin disorders may be more susceptible to irritating effects.

**Diluted Product:**



**RECOMMENDED PRECAUTIONS**

**Specific methods:** No special methods required  
**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.  
**Specific hazards:** Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

**RECOMMENDED PRECAUTIONS**

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).  
**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

**RECOMMENDED PRECAUTIONS**

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.  
**Aerosol Level (if applicable) :** Not applicable

## 5. EXPOSURE CONTROLS, PERSONAL PROTECTION

### Exposure Guidelines:

Ingredient(s)	CAS #	ACGIH	OSHA
Cocamidopropyl betaine	61789-40-0	-	-
Lauryl dimethyl amine oxide	1643-20-5	-	-
Alkyl poly glycoside	110615-47-9	-	-
Sodium chloride	7647-14-5	-	-
Glycerin	56-81-5	-	15 mg/m <sup>3</sup> (TWA) 5 mg/m <sup>3</sup> (TWA)

### Undiluted Product:

#### Engineering measures to reduce exposure:

No special ventilation requirements General room ventilation is adequate

### Personal Protective Equipment

<b>Eye protection:</b>	Chemical-splash goggles.
<b>Hand protection:</b>	Chemical-resistant gloves.
<b>Skin and body protection:</b>	No special requirements under normal use conditions.
<b>Respiratory protection:</b>	No special requirements under normal use conditions.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

### Diluted Product:

<b>Physical State:</b> Liquid	<b>Color:</b> Clear, Green
<b>Evaporation Rate:</b> No information available	<b>Odor:</b> No Odor/Odorless
<b>Odor threshold:</b> No information available.	<b>Boiling point/range:</b> Not determined
<b>Melting point/range:</b> Not determined	<b>Decomposition temperature:</b> Not determined
<b>Autoignition temperature:</b> No information available	<b>Solubility:</b> Completely Soluble
<b>Solubility in other solvents:</b> No information available	<b>Relative Density (relative to water):</b> 1.026
<b>Density:</b> 8.56 lbs/gal 1.026 Kg/L	<b>Vapor density:</b> No information available
<b>Bulk density:</b> No information available	<b>Vapor pressure:</b> No information available.
<b>Flash point:</b> > 200 °F > 93.3 °C	<b>Partition coefficient (n-octanol/water):</b> No information available
<b>Elemental Phosphorus:</b> 0.00 % by wt.	<b>Viscosity:</b> No information available
<b>pH:</b> 7.15	<b>VOC:</b> 0.25 % *
<b>Metal Corrosion:</b> Not determined	<b>VOC % by wt. at use dilution</b> 0 % *
<b>Explosion limits:</b> - upper: Not determined - lower: Not determined	<b>Flammability (Solid or Gas):</b> Not applicable

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

<b>Reactivity:</b>	Not Applicable
<b>Stability:</b>	The product is stable
<b>Hazardous decomposition products:</b>	None reasonably foreseeable.
<b>Materials to avoid:</b>	Do not mix with any other product or chemical unless specified in the use directions.
<b>Conditions to avoid:</b>	No information available.

**Information on likely routes of exposure:**

Eye contact, Skin contact, Inhalation, Ingestion

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

**Target Organs (SE):** None known

**Target Organs (RE):** None known

**Numerical measures of toxicity**

ATE - Oral (mg/kg): >5000



**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.



**Waste from residues / unused products:** This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** Not Regulated



**DOT/TDG/IMDG:** Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, **only available through Internet Explorer**, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** CLEANING, WASHING, BUFFING, OR POLISHING COMPOUNDS LIQUID

**IMDG (Ocean) Bill of Lading Description:** CLEANING, WASHING, BUFFING, OR POLISHING COMPOUNDS LIQUID



**International Inventories at CAS# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

**U.S. Regulations**

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

**RIGHT TO KNOW (RTK)**



Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Cocamidopropyl betaine	61789-40-0	-	-	-	-
Lauryl dimethyl amine oxide	1643-20-5	-	-	-	-
Alkyl poly glycoside	110615-47-9	-	-	-	-
Sodium chloride	7647-14-5	-	-	-	-
Glycerin	56-81-5	X	X	X	-

**CERCLA/ SARA**

**SARA 311/312 Hazard Categories**

**Immediate:** X  
**Delayed:** -  
**Fire:** -  
**Reactivity:** -  
**Sudden Release of Pressure:** -

**Canadian Regulations**

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

**Health** 3  
**Flammability** 0  
**Instability** 0

**Version Number:** 1  
**Preparation date:** 2014-06-05

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** • Does not contain an added fragrance

*Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.*



## SUMA PAN-CLEAN General Purpose Pot & Pan Detergent

Version Number: 1

Preparation date: 2016-10-31

### 1. IDENTIFICATION

**Product name:** SUMA PAN-CLEAN General Purpose Pot & Pan Detergent  
**Product Code:** 903836, 903837, 914839, 93315083, 100839776  
**SDS #:** MS0801026

**Recommended use:**

- Industrial/Institutional
- Hand dishwash
- This product is intended to be diluted prior to use

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, importer, supplier:**

US Headquarters  
 Diversey, Inc.  
 2415 Cascade Pointe Blvd.  
 Charlotte, NC 28208  
 Phone: 1-888-352-2249  
 SDS Internet Address: <https://sds.diversey.com>

Canadian Headquarters  
 Diversey Canada, Inc.  
 3755 Laird Road Units 8-11  
 Mississauga, Ontario L5L 0B3  
 Phone: 1-800-668-7171

**Emergency telephone number:** 1-800-851-7145; 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

**Classification for the undiluted product**

Serious eye damage/eye irritation Category 2A



**Signal Word:**

**Warning.**

**Hazard and Precautionary Statements**

**CAUSES SERIOUS EYE IRRITATION.**

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ 1:256**

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

**Hazard and Precautionary Statements**

None required.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Classified Ingredients

Ingredient(s)	CAS #	Weight %
Sodium dodecylbenzene sulfonate	25155-30-0	20 - 30%
Sodium lauryl ether sulfate	9004-82-4	5 - 10%
Sodium xylene sulfonate	1300-72-7	3 - < 5%
Ethyl alcohol	64-17-5	1 - < 3%
Cocamidopropyl betaine	61789-40-0	1 - < 3%

\*Exact percentages are being withheld as trade secret information

### 4. FIRST AID MEASURES

#### Undiluted Product:

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Skin:** No specific first aid measures are required.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

#### Diluted Product:

**Eyes:** Rinse with plenty of water.

**Skin:** No specific first aid measures are required.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

### 5. FIRE-FIGHTING MEASURES

**Specific methods:** No special methods required

**Suitable extinguishing media:** Not applicable.

**Specific hazards:** Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place.

**Aerosol Level (if applicable):** Not applicable.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines:

Ingredient(s)	CAS #	ACGIH	OSHA
Sodium dodecylbenzene sulfonate	25155-30-0	-	-
Sodium lauryl ether sulfate	9004-82-4	-	-
Sodium xylene sulfonate	1300-72-7	-	-
Ethyl alcohol	64-17-5	1000 ppm (STEL)	1000 ppm (TWA)

			1900 mg/m <sup>3</sup> (TWA)
Cocamidopropyl betaine	61789-40-0	-	-

**Undiluted Product:**

**Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment**

- Eye protection:** Chemical-splash goggles.
- Hand protection:** Chemical-resistant gloves.
- Skin and body protection:** No personal protective equipment required under normal use conditions.
- Respiratory protection:** No personal protective equipment required under normal use conditions.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

**Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels

- Eye protection:** No personal protective equipment required under normal use conditions.
- Hand protection:** No personal protective equipment required under normal use conditions.
- Skin and body protection:** No personal protective equipment required under normal use conditions.
- Respiratory protection:** No personal protective equipment required under normal use conditions.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- |  |   |
|--|---|
| <p><b>Physical State:</b> Liquid</p> <p><b>Evaporation Rate:</b> No information available</p> <p><b>Odor threshold:</b> No information available.</p> <p><b>Melting point/range:</b> Not determined</p> <p><b>Autoignition temperature:</b> No information available</p> <p><b>Solubility in other solvents:</b> No information available</p> <p><b>Density:</b> 9.26 lbs/gal 1.11 Kg/L</p> <p><b>Bulk density:</b> No information available</p> <p><b>Flash point (°F):</b> &gt; 200 °F &gt; 93.4 °C</p> <p><b>Viscosity:</b> No information available</p> <p><b>VOC:</b> 1.96 % *</p> <p><b>Flammability (Solid or Gas):</b> Not applicable</p> <p><b>Sustained combustion:</b> Not applicable</p> <p><b>Explosion limits:</b> - upper: Not determined - lower: Not determined</p> | <p><b>Color:</b> Clear Dark Blue</p> <p><b>Odor:</b> Floral Woody</p> <p><b>Boiling point/range:</b> Not determined</p> <p><b>Decomposition temperature:</b> Not determined Not applicable</p> <p><b>Solubility:</b> Completely Soluble</p> <p><b>Relative Density (relative to water):</b> 1.11</p> <p><b>Vapor density:</b> No information available</p> <p><b>Vapor pressure:</b> No information available.</p> <p><b>Partition coefficient (n-octanol/water):</b> No information available</p> <p><b>Elemental Phosphorus:</b> 0.00 % by wt.</p> <p><b>pH:</b> 6.5</p> <p><b>Corrosion to metals:</b> Not corrosive</p> |
|--|---|

**VOC % by wt. at use dilution 0**

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

**10. STABILITY AND REACTIVITY**

- Reactivity:** Not Applicable
- Stability:** The product is stable
- Hazardous decomposition products:** None reasonably foreseeable.
- Materials to avoid:** Do not mix with any other product or chemical unless specified in the use directions.
- Conditions to avoid:** No information available.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:**

Skin contact, Inhalation, Ingestion, Eye contact

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

- Skin contact:** Unlikely to be irritant in normal use.
- Eye contact:** Causes serious eye irritation. Symptoms may include pain, redness, and watering.
- Ingestion:** May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.
- Inhalation:** May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.
- Sensitization:** No known effects.

**Target Organs (SE):** None known

**Target Organs (RE):** None known

**Carcinogen Listings:** Ethyl alcohol is only classified as an IARC 1 carcinogen and California Prop 65 chemical when it is meant for ingestion in alcoholic beverages. We do not produce alcoholic beverages; therefore it is not considered a carcinogen in our products.

Ingredient(s)	CAS #	NTP	IARC	OSHA	CA Prop 65	CA Prop 65 Reproductive
Ethyl alcohol	64-17-5				Carcinogen	Developmental

**Numerical measures of toxicity**

**ATE - Oral (mg/kg):** 1700

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products (undiluted product):** This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Waste from residues / unused products (diluted product):** This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**RCRA Hazard Class (undiluted product):** Not Regulated

**RCRA Hazard Class (diluted product):** Not Regulated

**Contaminated Packaging:** Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

**DOT (Ground) Bill of Lading Description:** NOT REGULATED

**IMDG (Ocean) Bill of Lading Description:** NOT REGULATED

## 15. REGULATORY INFORMATION

**International Inventories at CAS# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

**RIGHT TO KNOW (RTK)**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Sodium dodecylbenzene sulfonate	25155-30-0	X	X	X	X
Magnesium sulfate heptahydrate	10034-99-8	-	-	-	-
Sodium lauryl ether sulfate	9004-82-4	-	-	-	-
Sodium xylene sulfonate	1300-72-7	-	-	-	-
Ethyl alcohol	64-17-5	X	X	X	-
Cocamidopropyl betaine	61789-40-0	-	-	-	-

**CERCLA/ SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium dodecylbenzene sulfonate	25155-30-0	20 - 30%	1000		

**Canadian Regulations**

Ingredient(s)	CAS #	NPRI
Ethyl alcohol	64-17-5	X

**16. OTHER INFORMATION****NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 2

Flammability 0

Instability 0

**Diluted Product:**

Version Number: 1

Preparation date: 2016-10-31

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: • Contains an added fragrance, see "Odor" heading in section 9 for specific description

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Special Firefighting Procedures: No fire hazard.  
Unusual Fire and Explosion Hazards: No fire hazard.

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Section V – Reactivity Data

Stability: Stable Conditions to avoid: None  
Incompatibility (Materials to Avoid): None  
Hazardous Decomposition or Byproducts: Will not occur.  
Hazardous Polymerization: Will not occur.

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Section VI – Health Hazard Data

Inhalation Health Risks and Symptoms of Exposure: None.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Eyes – rinse eye thoroughly for 15 minutes with water. Contact physician if irritation persists. Skin – wash hands with soap and water after use.

Skin Absorption Health Risks and Symptoms of Exposure: None.

Ingestion Health Risks and Symptoms of Exposure: No hazardous ingredients.

Health Hazards (Acute / Chronic): No hazardous ingredients.

Carcinogenicity: N – NTP Carcinogen      N – IARC Monographs      N- OSHA  
Regulated

Medical Conditions Generally Aggravated by Exposure: Unknown.

Emergency and First Aid Procedures: Contact your local poison control for further health information.

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Section VII – Precautions for Safe Handling and Use

Steps to be taken in case material released or spilled: Specific steps not necessary.

Waste Disposal Methods: Dispose of paper towels in trash and rinse sponge. In manufacturing, dispose of in accordance to Local, State or Federal regulations.

Precautions to be taken in handling and storing: Always keep lid tightly on jar of moist product while not in use or storage. Uncovered product will dry out.

Other Precautions: None.

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#### Section VIII – Control Measures

Respiratory Protection: Not needed for brush or sponge application. When spraying, use NIOSH certified mask for dust or mist.

Ventilation: Not needed for brush or sponge application. If spraying, use spray booth.

Protective Gloves: Not needed.

Eye Protection: Not needed.

Other Protective clothing or equipment: Not needed.

Work / Hygienic Practices: Refer to AMACO Product Encyclopedia and Safety Manual. Manual available upon request.

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#### Section IX – Disclaimer

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Since conditions of use are beyond our control we make no warranties, expressed or implied, except those that may be contained in our written acknowledgement.

Prepared By: L. Jenkins  
8/2005

# SAFETY DATA SHEET

Product Number 457

Issuing Date No data available

Revision Date 05/28/15

Revision Number 1



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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Sunnyside Lacquer Thinner

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Thinning Lacquers

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name Sunnyside Corporation  
Supplier Address 225 Carpenter Avenue  
Wheeling  
IL  
60090  
US  
Supplier Phone Number Phone:8003238611  
Fax:8475419043  
Supplier Email sscontact@sunnysidecorp.com  
Emergency telephone number Chem Trec 8004249300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)


Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 2



Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

**GHS Label elements, including precautionary statements**

**Emergency Overview**

<b>Signal word</b>	<b>Danger</b>	
<b>Hazard Statements</b>	Harmful if swallowed Harmful in contact with skin Harmful if inhaled Causes skin irritation Causes serious eye irritation May cause genetic defects Suspected of causing cancer Suspected of damaging fertility or the unborn child Causes damage to organs May cause damage to organs through prolonged or repeated exposure May be fatal if swallowed and enters airways Highly flammable liquid and vapor	
		
<b>Appearance</b>	Clear	<b>Physical State</b> Liquid
		<b>Odor</b> Mild

**Precautionary Statements - Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Do not breathe dust/fume/gas/mist/vapors/spray
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ ventilating/ lighting/ equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge

**Precautionary Statements - Response**

- Specific treatment (see supplemental first aid instructions on this label)
- IF exposed: Call a POISON CENTER or doctor/physician



**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation occurs: Get medical advice/attention  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Wash contaminated clothing before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell

**Ingestion**

Rinse mouth  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting

**Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Harmful to aquatic life with long lasting effects  
 PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION  
 INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS

**Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
Ethylacetate	141-78-6	15 - 40	
Methyl alcohol	67-56-1	10 - 30	
Acetone	67-64-1	10 - 30	
Toluene	108-88-3	7 - 13	
Aliphatic Naphtha	64742-89-8	7 - 13	
Xylene	1330-20-7	5 - 10	
Methyl Ethyl Ketone	78-93-3	3 - 7	
Ethylbenzene	100-41-4	1 - 5	

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**



**First aid measures**

- General Advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
- Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. If symptoms persist, call a physician.
- Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
- Inhalation** Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen.
- Ingestion** Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a physician or poison control center immediately.
- Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Burning sensation. Coughing and/ or wheezing. Difficulty in breathing. Dizziness.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.



**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO2). Alcohol resistant foam.

**Unsuitable Extinguishing Media**

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

**Uniform Fire Code**

Flammable Liquid: I-B  
Irritant: Liquid

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Stop leak if you can do it without risk.

**Other Information**

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**Environmental Precautions**

**Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas.

**Methods and material for containment and cleaning up**

**Methods for Containment**

A vapor suppressing foam may be used to reduce vapors. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up**

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.



## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing vapors or mists. Use personal protection equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

### Conditions for safe storage, including any incompatibilities

#### Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Protect from moisture. Store away from other materials. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

#### Incompatible Products

Strong acids. Strong oxidizing agents. Strong bases. Chlorinated compounds.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylacetate 141-78-6	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m <sup>3</sup>
Methyl alcohol 67-56-1	STEL = 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 325 mg/m <sup>3</sup> STEL: 250 ppm
Acetone	STEL = 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) STEL: 1000 ppm (vacated) STEL: 2400 mg/m <sup>3</sup>	IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>



Methyl Ethyl Ketone	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m <sup>3</sup> (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m <sup>3</sup>	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> STEL: 300 ppm STEL: 885 mg/m <sup>3</sup>
Xylene 1330-20-7	STEL = 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	
Ethylbenzene 100-41-4	STEL = 125 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm 10% LEL TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 545 mg/m <sup>3</sup> STEL: 125 ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

**Appropriate engineering controls**

**Engineering Measures**

- Showers
- Eyewash stations
- Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

If splashes are likely to occur: Tight sealing safety goggles.

**Skin and Body Protection**

Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves. Chemical resistant apron. Antistatic boots.

**Respiratory Protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks/ Method</b>	
pH	N/A	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	56 °C / 133 °F	None known	





Flash Point	-18 C / 0 F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Moderate	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	

**Other Information**

Softening Point	No data available
VOC Content (%)	90%
Particle Size	No data available
Particle Size Distribution	

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Excessive heat. Heat, flames and sparks.

**Incompatible materials**

Strong acids. Strong oxidizing agents. Strong bases. Chlorinated compounds.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.



<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components). Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal.
<b>Eye Contact</b>	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation. May cause irritation.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation. May be absorbed through the skin in harmful amounts. Harmful in contact with skin. (based on components). Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed. (based on components). Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylacetate 141-78-6	= 5620 mg/kg ( Rat )	> 20 mL/kg ( Rabbit )	-
Methyl alcohol 67-56-1	= 5628 mg/kg ( Rat )	-	= 83.2 mg/L ( Rat ) 4 h
Acetone 67-64-1	-	-	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Toluene 108-88-3	= 636 mg/kg ( Rat )	= 8390 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h > 26700 ppm ( Rat ) 1 h
Aliphatic Naphtha 64742-89-8	-	-	= 23500 mg/m <sup>3</sup> ( Rat ) 8 h
Xylene 1330-20-7	= 4300 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit )	= 47635 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Methyl Ethyl Ketone 78-93-3	-	= 3000 mg/kg ( Rabbit )	-
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15354 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** Erythema (skin redness). May cause redness and tearing of the eyes. Coughing and/ or wheezing. Difficulty in breathing. Asthma-like and/ or skin allergy-like symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** There is no data available for this product. Contains a known or suspected mutagen.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3		Group 3		
Xylene 1330-20-7		Group 3		



Ethylbenzene 100-41-4	A3	Group 2B		X
--------------------------	----	----------	--	---

ACGIH (American Conference of Governmental Industrial Hygienists)  
 A3 - Animal Carcinogen  
 IARC (International Agency for Research on Cancer)  
 Group 2B - Possibly Carcinogenic to Humans  
 Group 3 - Not Classifiable as to Carcinogenicity in Humans  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 X - Present

<b>Reproductive Toxicity</b>	Product is or contains a chemical which is a known or suspected reproductive hazard. Contains a known or suspected reproductive toxin.
<b>STOT - single exposure</b>	Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. Detailed substance and/or ingredient information may be provided in other sections of this SDS. Target organs effects listed in this document may result from a single overexposure to this product. Causes damage to organs if swallowed. Causes damage to organs in contact with skin. Causes damage to organs if inhaled.
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure. Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from chronic or repeated exposure. (STOT RE).
<b>Chronic Toxicity</b>	No known effect based on information supplied. Contains a known or suspected mutagen. Possible risk of irreversible effects. Contains a known or suspected carcinogen. Contains a known or suspected reproductive toxin. Aspiration may cause pulmonary edema and pneumonitis. Effects from this product caused by acute exposure may cause permanent damage to target organs and/or may cause chronic conditions. Avoid repeated exposure. Prolonged exposure may cause chronic effects. May cause adverse liver effects. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.
<b>Target Organ Effects</b>	Respiratory system. Eyes. Skin. May affect the genetic material in germ cells (sperm and eggs). Gastrointestinal tract (GI). Reproductive System. Central Nervous System (CNS). Kidney. Liver. Blood. Systemic Toxicity.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

- ATEmix (oral)**  
427.00 mg/kg
- ATEmix (dermal)**  
1,275.00 mg/kg (ATE)
- ATEmix (inhalation-gas)**  
3,193.00 ppm (4 hr)
- ATEmix (inhalation-dust/mist)**  
2.00 mg/l
- ATEmix (inhalation-vapor)**  
13.00 ATEmix



## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

### Persistence and Degradability

No information available.

### Bioaccumulation

Chemical Name	Log Pow
Ethylacetate 141-78-6	0.6
Methyl alcohol 67-56-1	-0.77
Acetone 67-64-1	-0.24
Toluene 108-88-3	2.65
Methyl Ethyl Ketone 78-93-3	0.29
Xylene 1330-20-7	2.77 - 3.15
Ethylbenzene 100-41-4	3.118

### Other adverse effects

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D001 D035 U220 U002 U154 U159 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Ethylacetate 141-78-6		Included in waste stream: F039		U112
Methyl alcohol 67-56-1		Included in waste stream: F039		U154
Acetone 67-64-1				U002
Toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151		U220
Methyl Ethyl Ketone 78-93-3	waste number U159	Included in waste streams: F005, F039	= 200.0 mg/L regulatory level	U159
Xylene 1330-20-7		Included in waste stream: F039		U239
Ethylbenzene 100-41-4		Included in waste stream: F039		

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene 108-88-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

**California Hazardous Waste Codes 214**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Ethylacetate 141-78-6	Toxic Ignitable
Methyl alcohol 67-56-1	Toxic Ignitable
Acetone 67-64-1	Ignitable



Toluene 108-88-3	Toxic Ignitable
Methyl ethyl Ketone 78-93-3	Toxic Ignitable
Xylene 1330-20-7	Toxic Ignitable
Ethylbenzene 100-41-4	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**DOT**

UN-No. UN1263  
 Proper Shipping Name PAINT RELATED MATERIAL  
 Hazard Class 3  
 Packing Group II  
 Description UN1263, PAINT RELATED MATERIAL, 3, PGII

**TDG**

UN-No. UN1992  
 Proper Shipping Name FLAMMABLE LIQUID, TOXIC, N.O.S.  
 Hazard Class 3  
 Subsidiary class (6.1)  
 Packing Group II  
 Description UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL ACETATE, METHANOL), 3 (6.1), II

**MEX**

UN-No. UN1992  
 Proper Shipping Name FLAMMABLE LIQUID, TOXIC, N.O.S.  
 Hazard Class 3  
 Subsidiary class 6.1  
 Packing Group II  
 Description UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL ACETATE, METHANOL), 3 (6.1), II

**ICAO**

UN-No. UN1992  
 Proper Shipping Name FLAMMABLE LIQUID, TOXIC, N.O.S.  
 Hazard Class 3  
 Subsidiary class 6.1  
 Packing Group II  
 Description UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL ACETATE, METHANOL), 3 (6.1), II

**IATA**

UN-No. UN1992  
 Proper Shipping Name FLAMMABLE LIQUID, TOXIC, N.O.S.  
 Hazard Class 3  
 Subsidiary class 6.1  
 Packing Group II  
 Description UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL ACETATE, METHANOL), 3 (6.1), II

**IMDG/IMO**

UN-No. UN1992  
 Proper Shipping Name FLAMMABLE LIQUID, TOXIC, N.O.S.  
 Hazard Class 3  
 Subsidiary class 6.1



**Packing Group** II  
**EmS No.** F-E, S-D  
**Description** UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL ACETATE, METHANOL), 3 (6.1), II, FP -18C

**RID**

**UN-No.** UN1992  
**Proper Shipping Name** FLAMMABLE LIQUID, TOXIC, N.O.S.  
**Hazard Class** 3  
**Packing Group** II  
**Classification code** FT1  
**Description** UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL ACETATE, METHANOL), 3 (6.1), II  
**ADR/RID-Labels** 6.1

**ADR**

**UN-No.** UN1992  
**Proper Shipping Name** FLAMMABLE LIQUID, TOXIC, N.O.S.  
**Hazard Class** 3  
**Packing Group** II  
**Classification code** FT1  
**Description** UN1992 FLAMMABLE LIQUID, TOXIC, N.O.S.(METHYL ALCOHOL ), 3(6.1), II  
**ADR/RID-Labels** 6.1

**ADN**

**UN-No.** UN1992  
**Proper Shipping Name** FLAMMABLE LIQUID, TOXIC, N.O.S.  
**Hazard Class** 3  
**Packing Group** II  
**Classification code** FT1  
**Special Provisions** 274, 802  
**Description** UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHYL ACETATE, METHANOL), 3 (6.1), II  
**Hazard Labels** 3 + 6.1  
**Limited Quantity** 1 L  
**Ventilation** VE01, VE02

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL** All components are listed either on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methyl alcohol - 67-56-1	67-56-1	10 - 30	1.0
Toluene - 108-88-3	108-88-3	7 - 13	1.0
Xylene - 1330-20-7	1330-20-7	5 - 10	1.0
Ethylbenzene - 100-41-4	100-41-4	1 - 5	0.1

**SARA 311/312 Hazard Categories**



<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3	1000 lb	X	X	X
Xylene 1330-20-7	100 lb			X
Ethylbenzene 100-41-4	1000 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ethylacetate 141-78-6			RQ 5000 lb final RQ RQ 2270 kg final RQ
Methyl alcohol 67-56-1	5000 lb		RQ= 2270 kg final RQ RQ= 5000 lb final RQ
Acetone 67-64-1	5000 lb		RQ= 2270 kg final RQ RQ= 5000 lb final RQ
Toluene 108-88-3	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Methyl Ethyl Ketone 78-93-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Xylene 1330-20-7	100 lb		RQ= 100 lb final RQ RQ= 45.4 kg final RQ
Ethylbenzene 100-41-4	1000 lb		RQ= 1000 lb final RQ RQ= 454 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Methyl alcohol - 67-56-1	Developmental
Toluene - 108-88-3	Developmental
Ethylbenzene - 100-41-4	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethylacetate 141-78-6	X	X	X	X	
Methyl alcohol 67-56-1	X	X	X	X	X
Acetone 67-64-1	X	X	X	X	
Toluene 108-88-3	X	X	X	X	X
Methyl Ethyl Ketone 78-93-3	X	X	X	X	X





Sunnyside Lacquer Thinner

Xylene 1330-20-7	X	X	X	X	X
Ethylbenzene 100-41-4	X	X	X	X	X

**International Regulations**

**Mexico**

**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Ethylacetate 141-78-6 ( 15 - 40 )		Mexico: TWA 400 ppm Mexico: TWA 1400 mg/m <sup>3</sup>
Methyl alcohol 67-56-1 ( 10 - 30 )		Mexico: TWA= 200 ppm Mexico: TWA= 260 mg/m <sup>3</sup> Mexico: STEL= 250 ppm Mexico: STEL= 310 mg/m <sup>3</sup>
Acetone 67-64-1 ( 10 - 30 )		Mexico: TWA= 1000 ppm Mexico: TWA= 2400 mg/m <sup>3</sup> Mexico: STEL= 1260 ppm Mexico: STEL= 3000 mg/m <sup>3</sup>
Toluene 108-88-3 ( 7 - 13 )		Mexico: TWA 50 ppm Mexico: TWA 188 mg/m <sup>3</sup>
Methyl Ethyl Ketone 78-93-3 ( 7 - 13 )		Mexico: TWA= 590 mg/m <sup>3</sup> Mexico: TWA= 200 ppm Mexico: STEL= 885 mg/m <sup>3</sup> Mexico: STEL= 300 ppm
Xylene 1330-20-7 ( 5 - 10 )		Mexico: TWA= 100 ppm Mexico: TWA= 435 mg/m <sup>3</sup> Mexico: STEL= 150 ppm Mexico: STEL= 655 mg/m <sup>3</sup>
Ethylbenzene 100-41-4 ( 1 - 5 )		Mexico: TWA= 435 mg/m <sup>3</sup> Mexico: TWA= 100 ppm Mexico: STEL= 125 ppm Mexico: STEL= 545 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

**Canada**

**WHMIS Hazard Class**

B2 - Flammable liquid

D2A - Very toxic materials



**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 3	<b>Flammability</b> 3	<b>Instability</b> 0	<b>Physical and Chemical Hazards - Personal Protection</b>
<b>HMIS</b>	<b>Health Hazards</b> 3 *	<b>Flammability</b> 3	<b>Physical Hazard</b> 0	X

Chronic Hazard Star Legend \* = Chronic Health Hazard



**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date**  
**Revision Note** No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**



Product Number 704

# SAFETY DATA SHEET

Issuing Date No data available

Revision Date 05/29/15

Revision Number 2



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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Sunnyside Specs Paint Thinner

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Paint Thinner (\*Note Future CARB requirements: 2013 - 3 wt%)

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name Sunnyside Corporation  
Supplier Address 225 Carpenter Avenue  
Wheeling  
IL  
60090  
US  
Supplier Phone Number Phone:8003238611  
Fax:8475419043  
Supplier Email sscontact@sunnysidecorp.com  
Emergency telephone number Chem Trec 8004249300

## 2. HAZARDS IDENTIFICATION

### Classification


This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Aspiration toxicity	Category 1
Flammable liquids	Category 3



**GHS Label elements, including precautionary statements**

**Emergency Overview**

<b>Signal word</b>	<b>Warning</b>	
<b>Hazard Statements</b> May be fatal if swallowed and enters airways Flammable liquid and vapor		
		
<b>Appearance</b> Clear	<b>Physical State</b> Liquid	<b>Odor</b> Petroleum distillates

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating/ lighting/ equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

None

**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

**Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

**Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity



**Other information**

No information available

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	60 - 100	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Skin Contact**

Wash skin with soap and water. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash before reuse.

**Inhalation**

If symptoms persist, call a physician.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects**

Difficulty in breathing. Dizziness.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**

Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

### Unsuitable Extinguishing Media

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

Vapors can form explosive mixtures with air. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Vapors may travel to source of ignition and flash back.

**Uniform Fire Code** Combustible Liquid: II

### Hazardous Combustion Products

Carbon oxides.

### Explosion Data

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for Containment** A vapor suppressing foam may be used to reduce vapors.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use clean non-sparking tools to collect absorbed material. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use according to package label instructions. Use personal protection equipment. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and Body Protection** Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES



**Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Petroleum distillates
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>pH</b>	UNKNOWN	None known
<b>Melting / freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	157 °C / 315 °F	None known
<b>Flash Point</b>	42 C / 108 F	None known
<b>Evaporation Rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit</b>	No data available	
<b>Lower flammability limit</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Specific Gravity</b>	No data available	None known
<b>Water Solubility</b>	Insoluble in water	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No data available	
<b>Oxidizing Properties</b>	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	







**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target Organ Effects</b>	Respiratory system.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (dermal)**  
3,000.00 mg/kg (ATE)

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	96h EC50: = 450 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 800 mg/L (Pimephales promelas)		48h EC50: > 100 mg/L

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

**Other adverse effects**

No information available.



**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D001

**California Hazardous Waste Codes** 213

**14. TRANSPORT INFORMATION**

**DOT** NOT REGULATED (If shipped in NON BULK packaging by ground transport)

**Proper Shipping Name** NON-REGULATED

**Hazard Class** N/A

**Emergency Response Guide Number** 128

**TDG**

**UN-No.** UN1268

**Proper Shipping Name** PETROLEUM DISTILLATES, N.O.S.

**Hazard Class** 3

**Packing Group** III

**MEX**

**UN-No.** UN1268

**Proper Shipping Name** Petroleum distillates, n.o.s.

**Hazard Class** 3

**Packing Group** III

**Description** UN1268 Petroleum distillates, n.o.s.,3,III

**ICAO**

**UN-No.** UN1268

**Proper Shipping Name** Petroleum distillates, n.o.s.

**Hazard Class** 3

**Packing Group** III

**Description** 1268,Petroleum distillates, n.o.s.,3,PG III

**IATA**

**UN-No.** 1268

**Proper Shipping Name** PETROLEUM DISTILLATES, N.O.S.

**Hazard Class** 3

**Packing Group** III

**Description** UN1268,Petroleum distillates, n.o.s.,3,PG III

**IMDG/IMO**

**UN-No.** 1268



**Proper Shipping Name** Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**EmS No.** F-E, S-E  
**Description** 1268, Petroleum distillates, n.o.s.,3,PG III, FP 42C

**RID**

**UN-No.** 1268  
**Proper Shipping Name** Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Description** 1268 Petroleum distillates, n.o.s.,3,III

**ADR**

**UN-No.** UN1268  
**Proper Shipping Name** Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Description** UN1268 Petroleum distillates, n.o.s.,3,III

**ADN**

**UN-No.** UN1268  
**Proper Shipping Name** Petroleum distillates, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Description** UN1268 Petroleum distillates, n.o.s.,3,III  
**Hazard Labels** 3  
**Limited Quantity** LQ7  
**Ventilation** VE01

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No



**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	X				

**International Regulations**

**Canada**

**WHMIS Hazard Class**

B3 - Combustible liquid



**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	1	<b>Flammability</b>	2	<b>Instability</b>	0	<b>Physical and Chemical Hazards - Personal Protection</b>
<b>HMIS</b>	<b>Health Hazards</b>	1	<b>Flammability</b>	2	<b>Physical Hazard</b>	0	

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date** 08-Nov-2013

**Revision Note** No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text



End of Safety Data Sheet





# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Super Carpet  
**Other means of identification**  
**Product code** F538022  
**Recommended use** Carpet & Upholstery Cleaner  
**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** Franklin Cleaning Technology  
**Address** One Fuller Way  
Great Bend, KS 67530  
United States  
**Telephone** Customer Service (800) 810-4829  
**E-mail** Not available.  
**Emergency phone number** CHEMTREC (800) 424-9300  
Emergency (620) 792-1711  
24 hour Emergency (800) 424-9300

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 4  
**Health hazards** Not classified.  
**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3  
Hazardous to the aquatic environment, long-term hazard Category 3  
**OSHA defined hazards** Not classified.

#### Label elements

**Hazard symbol** None.  
**Signal word** Warning  
**Hazard statement** Combustible liquid. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.  
**Precautionary statement**

**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid release to the environment. Wear protective gloves/eye protection/face protection.  
**Response** In case of fire: Use appropriate media to extinguish.  
**Storage** Store in a well-ventilated place. Keep cool.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** 4.45% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 4.45% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Sulfuric Acid, Mono-c10-16-alkyl Esters, Sodium Salts		68585-47-7	5 - < 10
isopropyl alcohol		67-63-0	1 - < 3

Chemical name	Common name and synonyms	CAS number	%
Methylchloroisothiazolinone		26172-55-4	< 0.1
Other components below reportable levels			80 - < 90

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Combustible liquid.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Keep combustibles (wood, paper, oil, etc.) away from spilled material.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.  Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.
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**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
isopropyl alcohol (CAS 67-63-0)	PEL	980 mg/m3
		400 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
isopropyl alcohol (CAS 67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3 400 ppm

**Biological limit values**

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
isopropyl alcohol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless
<b>Odor</b>	Floral
<b>Odor threshold</b>	Not available.
<b>pH</b>	8.9 - 10
<b>Melting point/freezing point</b>	Not available.

<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	162.0 °F (72.2 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0.00001 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	8.35 - 8.53 lbs/gal
<b>Flammability class</b>	Combustible IIIA estimated
<b>Percent volatile</b>	89.7 - 88.75 %
<b>Specific gravity</b>	0.81 estimated
<b>VOC (Weight %)</b>	2.8 % estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

<b>Acute toxicity</b>	Not available.
-----------------------	----------------

Product	Species	Test Results
Super Carpet (CAS Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	62091.5039 g/kg estimated
<i>Oral</i>		
LD50	Mouse	144000 mg/kg estimated
	Rat	35294.1172 ml/kg estimated
<i>Other</i>		
LD50	Rat	43014.5391 mg/kg estimated

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Not listed.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not available.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Product	Species	Test Results	
Super Carpet (CAS Mixture)			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	12.0654 mg/l, 48 hours estimated
Fish	LC50	Fish	15679.7656 mg/l, 96 hours estimated

\* Estimates for product may be based on additional component data not shown.

<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Partition coefficient n-octanol / water (log Kow)</b>	
isopropyl alcohol	0.05
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.

<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

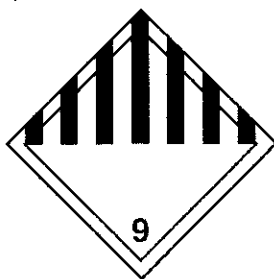
### IATA

<b>UN number</b>	ID8000
<b>UN proper shipping name</b>	Consumer commodity
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	9L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

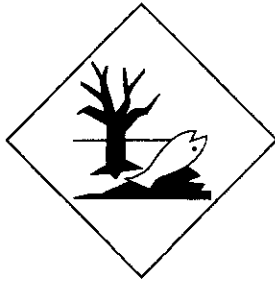
### IMDG

<b>UN number</b>	ID8000
<b>UN proper shipping name</b>	Consumer commodity, MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	9
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Ems</b>	Not available.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	This substance/mixture is not intended to be transported in bulk.

IATA; IMDG



**Marine pollutant**



**General information**

See 49 CFR 173.150 for exception for class 3 combustible liquids. IMDG Regulated Marine Pollutant.

**15. Regulatory information**

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are listed or exempted from listing on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Methylchloroisothiazolinone (CAS 26172-55-4) 1.0 % One-Time Export Notification only.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

isopropyl alcohol (CAS 67-63-0) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations**

**US. Massachusetts RTK - Substance List**

isopropyl alcohol (CAS 67-63-0)

**US. New Jersey Worker and Community Right-to-Know Act**

isopropyl alcohol (CAS 67-63-0)

**US. Pennsylvania Worker and Community Right-to-Know Law**

isopropyl alcohol (CAS 67-63-0)

**US. Rhode Island RTK**

isopropyl alcohol (CAS 67-63-0)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## 16. Other information, including date of preparation or last revision

**Issue date** 11-07-2014

**Version #** 01

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Date: April 13, 2015

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

**Product identifier used on the label:** Super H<sub>2</sub>O<sub>2</sub> Cleaner Concentrate

**Other means of Identification:** ES71

**Recommended use of the chemical and restrictions on use:** For professional use only.

**Manufacturer/Supplier:**

Charlotte Products Ltd.

**Address:**

2060 Fisher Dr.  
Peterborough, On K9J 8N4

**Telephone:** 705-740-2880

**Fax:** 705-745-1239

**24 Hr. Emergency Tel. #:** Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International)

### SECTION 2 - HAZARDS IDENTIFICATION

**Classification of the chemical:**

Skin Corrosion/Irritation 1

Eye Damage/Irritation 1

Oxidizing Liquids 3

**Label elements:**

**Signal Word:** Danger

**Hazard statement(s)**

H272 May intensify fire; oxidizer  
H314 Causes severe skin burns and eye damage

**Precautionary statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P220 Keep/Store away from clothing/combustible materials  
P221 Take any precaution to avoid mixing with combustibles  
P260 Do not breathe dust/fume/gas/mist/vapours/spray  
P264 Wash exposed areas thoroughly after handling  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P363 Wash contaminated clothing before reuse  
P370+378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction

P405  
P501

Store locked up  
Dispose of contents/container in accordance with local regulation

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

**Hazard pictogram(s)**



**Other hazards not otherwise classified:** None Known

**Unknown Acute Toxicity:** 10.9%

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name, Common Name & Synonyms:	CAS #	Concentration %
Nonionic and Anionic Blends		7-13
Hydrogen Peroxide (20-40 %)	7722-84-1	10-30

**\*\* If the chemical name/CAS # is "proprietary" and/or the weight % is shown as a range, this information had been withheld as a trade secret.**

### SECTION 4 - FIRST-AID MEASURES

**Description of first aid measures:**

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

**Most Important symptoms and effects, both acute and delayed:** Causes severe skin burns and eye damage.



Indication of any immediate medical attention and special treatment needed: Treat symptomatically

## SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** Not determined

**Special hazards arising from the substance or mixture:** None known

**Flammability classification:** Not flammable

**Hazardous combustion products:** Carbon oxides, oxides of phosphorus other unidentified organic compounds.

**Special protective equipment and precautions for firefighters:**

**Protective equipment for fire-fighters:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

**Special fire-fighting procedures:** Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Methods and material for containment and cleaning up:** Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

**Special spill response procedures:** In case of a transportation accident, contact Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International). If a spill/release in the US in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

## SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

**Conditions for safe storage:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

**Incompatible materials:** Oxidizing agents. Do not mix with other chemicals or cleaners

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

Chemical Name	CAS #	OSHA PEL			
		TWA	STEL	PEL	STEL
Nonionic and Anionic Blends					
Hydrogen Peroxide (20-40 %)	7722-84-1	1 ppm		1 ppm	

**Exposure controls:**

**Ventilation and engineering measures:** Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

**Respiratory protection:** If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

**Skin protection:** Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

**Eye face protection:** Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.

**Other protective equipment:** Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

**General hygiene considerations:** Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear, colourless liquid

**Odor:** Mild

**Odor threshold:** No applicable information available

**pH:** 5-6

**Melting/Freezing point:** No applicable information available

**Initial boiling point and boiling range:** 100 C

**Flash point:** No applicable information available

**Flashpoint (Method):** No applicable information available

**Evaporation rate (BuAe = 1):** Similar to water

**Flammability (solid, gas): Not flammable**

**Lower flammable limit (% by vol.): Not Flammable**

**Upper flammable limit (% by vol.): Not Flammable**

**Vapor pressure:** No applicable information available

**Vapor density:** No applicable information available

**Relative density:** No applicable information available

**Solubility in water:** Dispersible

**Other solubility(ies):** No applicable information available

**Partition coefficient:** No applicable information available

**Auto ignition temperature:** No applicable information available

**Decomposition temperature:** No applicable information available

**Viscosity:** Water thin.

**Volatile organic Compounds (%VOC's):** 0 g/L

**Other physical/chemical comments:** No applicable information available

## **SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity:** Not normally reactive

**Chemical stability:** Stable

**Possibility of hazardous reactions:** No hazardous polymerization

**Conditions to avoid:** Keep out of reach of children. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

**Incompatible materials:** Fluorine, strong oxidizing or reducing agents, bases, metals, sulfur trioxide, phosphorus pentoxide

**Hazardous decomposition products:** None known. Refer to 'Hazardous Combustion Products' in Section 5

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure:**

**Routes of entry - inhalation:** Avoid breathing vapors or mists

**Routes of entry - skin & eye:** Avoid contact with skin or eyes

**Routes of entry - Ingestion:** Do not taste or swallow

### **Potential Health Effects:**

**Signs and symptoms of short term (acute) exposure:**

**Symptoms:** Please see section 4 of this SDS sheet for symptoms.

**Potential Chronic Health Effects:**

**Mutagenicity:** Not expected to be mutagenic in humans.

**Carcinogenicity:** No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects:** No applicable information available

**Sensitization to material:** No applicable information available

**Specific target organ effects:** No data available to indicate product or components will have specific target organ effects.

**Medical conditions aggravated by overexposure:** Preexisting skin or eye disorders.

**Toxicological data:**

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD <sub>50</sub>	LD <sub>50</sub>	LC <sub>50</sub>
		(Oral, rat)	(Dermal. Rabbit)	(4hr, Inhal., rat)
Nonionic and Anionic Blends				
Hydrogen Peroxide (20-40 %)	7722-84-1	1232	2001	2001 ppm

\*All empty cells no applicable information available

Other important toxicological hazards: None reported.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.

**Persistence and degradability:** No applicable information available

**Bioaccumulation potential:** No applicable information available.

**Mobility in soil:** No applicable information available.

**Other Adverse Environmental effects:** No applicable information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for disposal:** Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

**Methods of disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**RCRA:** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

## SECTION 14 - TRANSPORTATION INFORMATION

**Special Shipping Information:** Keep from freezing.  
**T.D.G. Classification:** Not regulated under T.D.G.  
**D.O.T. Classification:** Not regulated under D.O.T.

## SECTION 15 - REGULATORY INFORMATION

### Occupational Health and Safety Regulations:

WHMIS 1988 Class: D2B.

OSHA & WHMIS: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS 2015 regulations (Controlled Products Regulations under the Hazardous Product Act).

### Environmental Regulatory Lists:

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of these ingredients are listed.

CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.

RCRA 40CFR 261 (SUBPART D) – None of these ingredients are listed.

CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116 - None of these ingredients are listed.

CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) – None of these ingredients are listed.

National Pollutant Release Inventory – None of the ingredients are listed.

Toxic Substances Control Act (TSCA) – All the ingredients are registered on the Chemical Substance Inventory.

Canadian Domestic Substance List (DSL) – All the ingredients are registered on the DSL.

## SECTION 16 - OTHER INFORMATION

### Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

CSA: Canadian Standards Association

DOT: Department of Transportation

ECOTOX: U.S. EPA Ecotoxicology Database

EINECS: European Inventory of Existing Commercial chemical Substances

EPA: Environmental Protection Agency

HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IUCLID: International Uniform Chemical Information Database

LC: Lethal Concentration

LD: Lethal Dose

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OECD: Organization for Economic Co operation and Development

OSHA: Occupational Safety and Health Administration

PEL: Permissible exposure limit

RCRA: Resource Conservation and Recovery Act

RTECS: Registry of Toxic Effects of Chemical Substances

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet Material Safety Data Sheet

STEL: Short Term Exposure Limit

TG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values

TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

Prepared By: Charlotte Technical Services Group

Tel: (705) 740 2880

### DISCLAIMER

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of this supplier, it is assumed that users of this material have been fully trained accordingly to the mandatory requirements of GHS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained within this form.

END OF DOCUMENT

# MATERIAL SAFETY DATA SHEET

MB036W158  
32 00

DATE OF PREPARATION  
Jul 25, 2013

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NUMBER**

MB036W158

**PRODUCT NAME**

SuperBondR@R All-In-OneR@R Primer-Stain Killer Bond Coat, White

**MANUFACTURER'S NAME**

M.A.B. Paints  
Cleveland, OH 44115

**Telephone Numbers and Websites**

<b>Product Information</b>	(800) 474-3794 www.mabpaints.com
<b>Regulatory Information</b>	(216) 566-2902 www.paintdocs.com
<b>Medical Emergency</b>	(216) 566-2917
<b>Transportation Emergency*</b>	(800) 424-9300
<i>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i>	

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
1	107-21-1	<b>Ethylene Glycol</b>		
		ACGIH TLV	100 MG/M3 CEILING (aerosol)	0.12 mm
		OSHA PEL	50 PPM CEILING	
0.4	14464-46-1	<b>Cristobalite</b>		
		ACGIH TLV	0.025 mg/m3 as Resp. Dust	
		OSHA PEL	0.05 mg/m3 as Resp. Dust	
3	14807-96-6	<b>Talc</b>		
		ACGIH TLV	2 mg/m3 as Resp. Dust	
		OSHA PEL	2 mg/m3 as Resp. Dust	
17	13463-67-7	<b>Titanium Dioxide</b>		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

## SECTION 3 — HAZARDS IDENTIFICATION

**ROUTES OF EXPOSURE**

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

**EFFECTS OF OVEREXPOSURE**

**EYES:** Irritation.  
**SKIN:** Prolonged or repeated exposure may cause irritation.  
**INHALATION:** Irritation of the upper respiratory system.

**HMIS Codes**

<b>Health</b>	2*
<b>Flammability</b>	0
<b>Reactivity</b>	0

In a confined area vapors in high concentration may cause headache, nausea or dizziness.  
Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None generally recognized.

**CANCER INFORMATION**

For complete discussion of toxicology data refer to Section 11.

## SECTION 4 — FIRST AID MEASURES

- EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.
- SKIN:** Wash affected area thoroughly with soap and water.  
Remove contaminated clothing and launder before re-use.
- INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.
- INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

<b>FLASH POINT</b>	<b>LEL</b>	<b>UEL</b>	<b>FLAMMABILITY CLASSIFICATION</b>
Not Applicable	Not Applicable	Not Applicable	Not Applicable
	Applicable	Applicable	<b>EXTINGUISHING MEDIA</b>

Carbon Dioxide, Dry Chemical, Alcohol Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

## SECTION 7 — HANDLING AND STORAGE

### STORAGE CATEGORY

Not Applicable

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

- Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.
- Keep out of the reach of children.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE

- Use only with adequate ventilation.
- Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
- Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction). Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

PRODUCT WEIGHT	11.13 lb/gal	1333 g/l
SPECIFIC GRAVITY	1.34	
BOILING POINT	212 - 500 °F	100 - 260 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	64%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	Not Available	
pH	8.8	
<b>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)</b>		
0.80 lb/gal	96 g/l	Less Water and Federally Exempt Solvents
0.31 lb/gal	38 g/l	Emitted VOC

**SECTION 10 — STABILITY AND REACTIVITY**

STABILITY — Stable  
CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

**SECTION 11 — TOXICOLOGICAL INFORMATION**

CHRONIC HEALTH HAZARDS

Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.

TOXICOLOGY DATA

CAS No.	Ingredient Name			
107-21-1	Ethylene Glycol	LC50 RAT	4HR	Not Available
		LD50 RAT		4700 mg/kg
14464-46-1	Cristobalite	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
14807-96-6	Talc	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
13463-67-7	Titanium Dioxide	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

**SECTION 12 — ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL INFORMATION

No data available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.



**SECTION 14 — TRANSPORT INFORMATION**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

**US Ground (DOT)**

Not Regulated for Transportation.

**Canada (TDG)**

Not Regulated for Transportation.

**IMO**

Not Regulated for Transportation.

**IATA/ICAO**

Not Regulated for Transportation.

**SECTION 15 — REGULATORY INFORMATION**

**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
107-21-1	Ethylene Glycol	1	

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# SAFETY DATA SHEET

A84T154

## Section 1. Identification

**Product name** : SUPERPAINT® Exterior Acrylic Latex Gloss  
Ultradeep Base

**Product code** : A84T154

**Other means of identification** : Not available.

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**

Paint or paint related material.

**Manufacturer** : THE SHERWIN-WILLIAMS COMPANY  
101 W. Prospect Avenue  
Cleveland, OH 44115

**Emergency telephone number of the company** : US / Canada: (800) 424-9300  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

**Product Information Telephone Number** : US / Canada: 1-800-474-3794  
Mexico: Not Available

**Regulatory Information Telephone Number** : US / Canada: (216) 566-2902  
Mexico: Not Available

**Transportation Emergency Telephone Number** : US / Canada: (800) 424-9300  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

### GHS label elements

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Supplemental label elements** : WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 2. Hazards identification

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

### CAS number/other identifiers

Ingredient name	% by weight	CAS number
Heavy Paraffinic Oil	≤3	64742-65-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects. acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## Section 4. First aid measures

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Heavy Paraffinic Oil	64742-65-0	<b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. <b>ACGIH TLV (United States, 3/2019).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist

#### Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Heavy Paraffinic Oil	64742-65-0	<b>CA Alberta Provincial (Canada, 6/2018).</b> 8 hrs OEL: 5 mg/m <sup>3</sup> 8 hours. Form: Mist 15 min OEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist <b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 5 mg/m <sup>3</sup> 8 hours. Form: mist STEV: 10 mg/m <sup>3</sup> 15 minutes. Form: mist

#### Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
Heavy Paraffinic Oil	64742-65-0	<b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: mist

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

<b>Date of issue/Date of revision</b> : 6/16/2020	<b>Date of previous issue</b> : 5/13/2020	<b>Version</b> : 11.01	4/10
A84T154	SUPERPAINT® Exterior Acrylic Latex Gloss Ultradeep Base	<b>SHW-85-NA-GHS-US</b>	

## Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9
- Melting point/freezing point** : Not available.
- Boiling point/boiling range** : 100°C (212°F)
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg) [at 20°C]
- Vapor density** : 1 [Air = 1]
- Relative density** : 1.04
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): >0.205 cm<sup>2</sup>/s (>20.5 cSt)
- Molecular weight** : Not applicable.
- Aerosol product**

## Section 9. Physical and chemical properties

Heat of combustion : 1.372 kJ/g

## Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Paraffinic Oil	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

## Section 11. Toxicological information

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.



## Section 12. Ecological information

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	<b>DOT Classification</b>	<b>TDG Classification</b>	<b>Mexico Classification</b>	<b>IATA</b>	<b>IMDG</b>
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-	-

## Section 14. Transport information

**Special precautions for user** : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

**Proper shipping name** : Not available.

**Ship type** : Not available.

**Pollution category** : Not available.

## Section 15. Regulatory information

**TSCA 5(a)2 proposed significant new use rules:** 5-Chloro-2-methylisothiazolinone

### SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### International regulations

#### **International lists**

**Australia inventory (AICS):** Not determined.  
**China inventory (IECSC):** Not determined.  
**Japan inventory (ENCS):** Not determined.  
**Japan inventory (ISHL):** Not determined.  
**Korea inventory (KECI):** Not determined.  
**New Zealand Inventory of Chemicals (NZIoC):** Not determined.  
**Philippines inventory (PICCS):** Not determined.  
**Taiwan Chemical Substances Inventory (TCSI):** Not determined.  
**Thailand inventory:** Not determined.  
**Turkey inventory:** Not determined.  
**Vietnam inventory:** Not determined.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	/	3
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### Procedure used to derive the classification

# Section 16. Other information

Classification	Justification
Not classified.	

**History**

**Date of printing** : 6/16/2020

**Date of issue/Date of revision** : 6/16/2020

**Date of previous issue** : 5/13/2020

**Version** : 11.01

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- N/A = Not available
- SGG = Segregation Group
- UN = United Nations

📌 Indicates information that has changed from previously issued version.

**Notice to reader**

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

# SAFETY DATA SHEET

A87W1251

## Section 1. Identification

**Product name** : SUPERPAINT® Interior Latex Satin  
Extra White

**Product code** : A87W1251

**Other means of identification** : Not available.

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**

Paint or paint related material.

**Manufacturer** : THE SHERWIN-WILLIAMS COMPANY  
101 W. Prospect Avenue  
Cleveland, OH 44115

**Emergency telephone number of the company** : US / Canada: (800) 424-9300  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

**Product Information Telephone Number** : US / Canada: 1-800-474-3794  
Mexico: Not Available

**Regulatory Information Telephone Number** : US / Canada: (216) 566-2902  
Mexico: Not Available

**Transportation Emergency Telephone Number** : US / Canada: (800) 424-9300  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 2

### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : Suspected of causing cancer.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. ▶

**Response** : IF exposed or concerned: Get medical advice or attention. ▶

**Storage** : Store locked up.

**Date of issue/Date of revision** : 6/29/2020

**Date of previous issue** : 6/17/2020

**Version** : 16.04

1/12

A87W1251 SUPERPAINT® Interior Latex Satin  
Extra White

**SHW-85-NA-GHS-US**

## Section 2. Hazards identification

- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Contains Formaldehyde - a potential cancer hazard.  
Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

### CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Calcium Carbonate	≤5	1317-65-3
Amorphous Diatomaceous Earth	≤3	61790-53-2
Heavy Paraffinic Oil	≤1	64742-65-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

## Section 4. First aid measures

### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

## Section 6. Accidental release measures

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

## Section 8. Exposure controls/personal protection

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	<b>ACGIH TLV (United States, 3/2019).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
Calcium Carbonate	1317-65-3	<b>OSHA PEL (United States, 5/2018).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total
Amorphous Diatomaceous Earth	61790-53-2	<b>NIOSH REL (United States, 10/2016).</b> TWA: 6 mg/m <sup>3</sup> 10 hours. <b>OSHA PEL Z3 (United States, 6/2016).</b> TWA: 20 mppcf 8 hours. TWA: 80 mg/m <sup>3</sup> / (%SiO <sub>2</sub> ) 8 hours.
Heavy Paraffinic Oil	64742-65-0	<b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. <b>ACGIH TLV (United States, 3/2019).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist

### Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	<b>CA British Columbia Provincial (Canada, 5/2019).</b> TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Respirable dust TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust. <b>CA Alberta Provincial (Canada, 6/2018).</b> 8 hrs OEL: 10 mg/m <sup>3</sup> 8 hours. <b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 20 mg/m <sup>3</sup> 15 minutes. TWA: 10 mg/m <sup>3</sup> 8 hours.

### Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
None.		

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** :



## Section 8. Exposure controls/personal protection

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : White.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 8.5
- Melting point/freezing point** : Not available.
- Boiling point/boiling range** : 100°C (212°F)
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg) [at 20°C]
- Vapor density** : 1 [Air = 1]
- Relative density** : 1.26

## Section 9. Physical and chemical properties

**Solubility** : Not available.  
**Partition coefficient: n-octanol/water** : Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Kinematic (40°C (104°F)): >0.205 cm<sup>2</sup>/s (>20.5 cSt)  
**Molecular weight** : Not applicable.  
**Aerosol product**  
**Heat of combustion** : 1.811 kJ/g

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.  
**Chemical stability** : The product is stable.  
**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.  
**Conditions to avoid** : No specific data.  
**Incompatible materials** : No specific data.  
**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Paraffinic Oil	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

# Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Amorphous Diatomaceous Earth	-	3	-

**Reproductive toxicity**

Not available.

**Teratogenicity**

Not available.

**Specific target organ toxicity (single exposure)**

Name	Category	Route of exposure	Target organs
Calcium Carbonate	Category 3	-	Respiratory tract irritation

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

**Long term exposure**

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

## Section 11. Toxicological information

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

- Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

- Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

- Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-	-

**Special precautions for user** : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to IMO instruments** : Not available.

**Proper shipping name** : Not available.

## Section 15. Regulatory information

**TSCA 5(a)2 proposed significant new use rules:** 5-Chloro-2-methylisothiazolinone

**SARA 313**

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

**SARA 302/304**

SARA 302/304 (40 CFR part 302) supplier notification can be found on the Environmental Data Sheet.

**California Prop. 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**International regulations**

## Section 15. Regulatory information

**International lists** : **Australia inventory (AICS)**: Not determined.  
**China inventory (IECSC)**: Not determined.  
**Japan inventory (ENCS)**: Not determined.  
**Japan inventory (ISHL)**: Not determined.  
**Korea inventory (KECI)**: Not determined.  
**New Zealand Inventory of Chemicals (NZIoC)**: Not determined.  
**Philippines inventory (PICCS)**: Not determined.  
**Taiwan Chemical Substances Inventory (TCSI)**: Not determined.  
**Thailand inventory**: Not determined.  
**Turkey inventory**: Not determined.  
**Vietnam inventory**: Not determined.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method

### History

**Date of printing** : 6/29/2020

**Date of issue/Date of revision** : 6/29/2020

**Date of previous issue** : 6/17/2020

**Version** : 16.04

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
N/A = Not available  
SGG = Segregation Group  
UN = United Nations

Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

# SAFETY DATA SHEET

A87T1154

## Section 1. Identification

**Product name** : SUPERPAINT® Interior Latex Satin  
Ultradeep Base

**Product code** : A87T1154

**Other means of identification** : Not available.

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**

Paint or paint related material.

**Manufacturer** : THE SHERWIN-WILLIAMS COMPANY  
101 W. Prospect Avenue  
Cleveland, OH 44115

**Emergency telephone number of the company** : US / Canada: (800) 424-9300  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

**Product Information Telephone Number** : US / Canada: 1-800-474-3794  
Mexico: Not Available

**Regulatory Information Telephone Number** : US / Canada: (216) 566-2902  
Mexico: Not Available

**Transportation Emergency Telephone Number** : US / Canada: (800) 424-9300  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
CARCINOGENICITY - Category 1A

### GHS label elements

**Hazard pictograms**



**Signal word** : Danger

**Hazard statements** : Causes skin irritation.  
Causes serious eye irritation.  
May cause cancer.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Date of issue/Date of revision** : 6/29/2020

**Date of previous issue** : 5/8/2020

**Version** : 11

1/12

A87T1154

SUPERPAINT® Interior Latex Satin  
Ultradeep Base

SHW-85-NA-GHS-US



## Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Wash thoroughly after handling.
- Response** : IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure. Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	CAS number
Calcium Carbonate	≥10 - <20	1317-65-3
Heavy Paraffinic Oil	≤1	64742-65-0
Crystalline Silica, respirable powder	≤0.3	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Section 4. First aid measures

- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

## Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Calcium Carbonate	1317-65-3	<p><b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</p> <p>TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust</p> <p><b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Respirable fraction</p> <p>TWA: 10 mg/m<sup>3</sup> 10 hours. Form: Total</p>
Heavy Paraffinic Oil	64742-65-0	<p><b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours.</p> <p><b>ACGIH TLV (United States, 3/2019).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</p> <p><b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Mist</p>
Crystalline Silica, respirable powder	14808-60-7	<p><b>OSHA PEL Z3 (United States, 6/2016).</b> TWA: 250 mppcf / (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable</p> <p>TWA: 10 mg/m<sup>3</sup> / (%SiO<sub>2</sub>+2) 8 hours. Form: Respirable</p> <p><b>OSHA PEL (United States, 5/2018).</b> TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable dust</p> <p><b>ACGIH TLV (United States, 3/2019).</b> TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</p> <p><b>NIOSH REL (United States, 10/2016).</b> TWA: 0.05 mg/m<sup>3</sup> 10 hours. Form: respirable dust</p>

#### Occupational exposure limits (Canada)

## Section 8. Exposure controls/personal protection

Ingredient name	CAS #	Exposure limits
Quartz	14808-60-7	<p><b>CA British Columbia Provincial (Canada, 5/2019).</b> TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable</p> <p><b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 0.1 mg/m<sup>3</sup> 8 hours. Form: Respirable dust.</p> <p><b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 0.1 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction.</p> <p><b>CA Alberta Provincial (Canada, 6/2018).</b> 8 hrs OEL: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable particulate</p> <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b> TWA: 0.05 mg/m<sup>3</sup> 8 hours. Form: respirable fraction</p>

**Occupational exposure limits (Mexico)**

	CAS #	Exposure limits
None.		

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
  - Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
  - Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
  - Skin protection**
    - Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
    - Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9.5
- Melting point/freezing point** : Not available.
- Boiling point/boiling range** : 100°C (212°F)
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg) [at 20°C]
- Vapor density** : 1 [Air = 1]
- Relative density** : 1.16
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): >0.205 cm<sup>2</sup>/s (>20.5 cSt)
- Molecular weight** : Not applicable.
- Aerosol product**
- Heat of combustion** : 0.868 kJ/g

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.

## Section 10. Stability and reactivity

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Paraffinic Oil	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
Crystalline Silica, respirable powder	-	1	Known to be a human carcinogen.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Calcium Carbonate	Category 3	-	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Crystalline Silica, respirable powder	Category 1	inhalation	-

#### Aspiration hazard

Name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Not available.

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

## Section 11. Toxicological information

- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
  - irritation
  - redness
- Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential





## Section 14. Transport information

**Special precautions for user** : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to IMO instruments** : Not available.

**Proper shipping name** : Not available.

## Section 15. Regulatory information

**TSCA 5(a)2 proposed significant new use rules:** 5-Chloro-2-methylisothiazolinone; 1-Methyl-2-Pyrrolidone

### SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### International regulations

#### **International lists**

**Australia inventory (AICS):** Not determined.  
**China inventory (IECSC):** Not determined.  
**Japan inventory (ENCS):** Not determined.  
**Japan inventory (ISHL):** Not determined.  
**Korea inventory (KECI):** Not determined.  
**New Zealand Inventory of Chemicals (NZIoC):** Not determined.  
**Philippines inventory (PICCS):** Not determined.  
**Taiwan Chemical Substances Inventory (TCSI):** Not determined.  
**Thailand inventory:** Not determined.  
**Turkey inventory:** Not determined.  
**Vietnam inventory:** Not determined.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### Procedure used to derive the classification

# Section 16. Other information

Classification	Justification
SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1A	Calculation method Calculation method Calculation method

**History**

- Date of printing** : 6/29/2020
- Date of issue/Date of revision** : 6/29/2020
- Date of previous issue** : 5/8/2020
- Version** : 11
- Key to abbreviations** :
  - ATE = Acute Toxicity Estimate
  - BCF = Bioconcentration Factor
  - GHS = Globally Harmonized System of Classification and Labelling of Chemicals
  - IATA = International Air Transport Association
  - IBC = Intermediate Bulk Container
  - IMDG = International Maritime Dangerous Goods
  - LogPow = logarithm of the octanol/water partition coefficient
  - MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
  - N/A = Not available
  - SGG = Segregation Group
  - UN = United Nations

Indicates information that has changed from previously issued version.

**Notice to reader**

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

# SAFETY DATA SHEET

A87W1151

## Section 1. Identification

**Product name** : SUPERPAINT® Interior Satin Latex Wall Paint  
Extra White

**Product code** : A87W1151

**Other means of identification** : Not available.

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**  
Not applicable.

**Manufacturer** : THE SHERWIN-WILLIAMS COMPANY  
101 W. Prospect Avenue  
Cleveland, OH 44115

**National contact** : The Sherwin-Williams Company  
418 North Service Road East  
Oakville, Ontario L6H 5R2 Canada

**Emergency telephone number of the company** : US / Canada: (216) 566-2917  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

**Product Information Telephone Number** : US / Canada: Not Available  
Mexico: Not Available

**Regulatory Information Telephone Number** : US / Canada: (216) 566-2902  
Mexico: Not Available

**Transportation Emergency Telephone Number** : US / Canada: (800) 424-9300  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

## Section 2. Hazards identification

**Classification of the substance or mixture** : CARCINOGENICITY - Category 1A

Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 23.7%  
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 23.7%  
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 23.7%

### GHS label elements

#### Hazard pictograms



**Signal word** : Danger

**Hazard statements** : May cause cancer.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing.

**Date of issue/Date of revision** : 1/25/2018 **Date of previous issue** : 1/16/2018

A87W1151 SUPERPAINT® Interior Satin Latex Wall Paint  
Extra White

**Version** : 7.04 1/11

SHW-85-NA-GHS-CA

## Section 2. Hazards identification

- Response** : IF exposed or concerned: Get medical attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure. Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	CAS number
Titanium Dioxide	20.09	13463-67-7
Calcium Carbonate	3.65	1317-65-3
Cristobalite, respirable powder	0.97	14464-46-1
Crystalline Silica, respirable powder	0.14	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Section 4. First aid measures

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

## Section 6. Accidental release measures

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

Ingredient name	Exposure limits
Titanium Dioxide	<b>ACGIH TLV (United States, 3/2016).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
Calcium Carbonate	<b>OSHA PEL (United States, 6/2016).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total

## Section 8. Exposure controls/personal protection

Cristobalite, respirable powder

**OSHA PEL (United States, 6/2016).**

TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction

TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust

**OSHA PEL Z3 (United States, 6/2016).**

TWA: 250 mppcf / 2 x (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable

TWA: 10 mg/m<sup>3</sup> / 2 x (%SiO<sub>2</sub>+2) 8 hours. Form: Respirable

TWA: 30 mg/m<sup>3</sup> / 2 x (%SiO<sub>2</sub>+2) 8 hours. Form: Total dust

Form: Total dust

**OSHA PEL (United States, 6/2016).**

TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable dust

**ACGIH TLV (United States, 3/2016).**

TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction

Form: Respirable

**NIOSH REL (United States, 10/2016).**

TWA: 0.05 mg/m<sup>3</sup> 10 hours. Form: respirable dust

**OSHA PEL Z3 (United States, 6/2016).**

TWA: 250 mppcf / (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable

TWA: 10 mg/m<sup>3</sup> / (%SiO<sub>2</sub>+2) 8 hours. Form: Respirable

Form: Respirable

**OSHA PEL (United States, 6/2016).**

TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable dust

**ACGIH TLV (United States, 3/2016).**

TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction

Form: Respirable

**NIOSH REL (United States, 10/2016).**

TWA: 0.05 mg/m<sup>3</sup> 10 hours. Form: respirable dust

Crystalline Silica, respirable powder

### Occupational exposure limits (Canada)

Ingredient name	Exposure limits
None.	

### Occupational exposure limits (Mexico)

Ingredient name	Exposure limits
None.	

### **Appropriate engineering controls**

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### **Environmental exposure controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### **Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.



## Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 8.9
- Melting point** : Not available.
- Boiling point** : 100°C (212°F)
- Flash point** : Closed cup: >93.3°C (>199.9°F)
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg) [at 20°C]
- Vapor density** : 1 [Air = 1]
- Relative density** : 1.3
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): >0.205 cm<sup>2</sup>/s (>20.5 cSt)
- Molecular weight** : Not applicable.
- Aerosol product**
- Heat of combustion** : 1.436 kJ/g

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Cristobalite, respirable powder	-	1	Known to be a human carcinogen.
Crystalline Silica, respirable powder	-	1	Known to be a human carcinogen.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Calcium Carbonate	Category 3	Not applicable.	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

## Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Cristobalite, respirable powder Crystalline Silica, respirable powder	Category 1 Category 1	Inhalation Inhalation	respiratory tract Not determined

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-	-

## Section 14. Transport information

**Special precautions for user** : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

**Proper shipping name** : Not available.

**Ship type** : Not available.

**Pollution category** : Not available.

## Section 15. Regulatory information

### SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 1A	Calculation method

### History

**Date of printing** : 1/25/2018

**Date of issue/Date of revision** : 1/25/2018

**Date of previous issue** : 1/16/2018

**Version** : 7.04

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

## Section 16. Other information

as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### [Notice to reader](#)

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

Safety Data Sheet

Date Issued: 7/1/2015

**SECTION 1: IDENTIFICATION OF THE PREPARATION AND THE COMPANY**

**PRODUCT NAME:** Supersorb

**RECOMMENDED USE:** Deodorizer

**RESTRICTIONS ON USE:** For intended use only

**MANUFACTURER:**

Fresh Products, LLC  
4010 South Ave  
Toledo  
Ohio 43615  
USA

**TELEPHONE:** +1-419-531-9741

**FAX:** +1-419-531-8472

**EMERGENCY CONTACT (spill/release):** 800-424-9300

**ITEM NUMBER:** Supersorb

**Section 2: HAZARDS IDENTIFICATION**

General: Contains small amounts of chemicals that are hazardous to health and the environment but in quantities too small to constitute any practical risks to health or the environment.

Classification: Acute Toxicity Oral 4  
Skin Sensitization 1



**WARNING**

Hazard Phrases: H302: Harmful if swallowed.  
H317: May cause allergic skin reaction.

Precautionary Phrases: P102: Keep out of reach of children.  
P264: Wash hands thoroughly after handling.  
P280: Wear suitable gloves.  
P301+310: If swallowed, call physician  
P302+P352: If on skin, wash with plenty of water.  
P332+P313: If rash occurs, seek medical attention.  
P501: Dispose of contents to an approved waste disposal plant.

**SECTION 3: INGREDIENT INFORMATION**

Chemical Identification: Scented light brown powder that turns liquids to solids.

Form/Shape: Bottle weighs approximately 340g.

CAS Number: Not applicable since the product is a preparation.

EINECS/ELINCS #: Not applicable since the product is a preparation.

The product is a complex mixture of substances of which the following have been classified as presenting

a health or environmental hazard or as having an occupational exposure limit within the meaning of the Directive 67/548/EEC or 1999/45/EC

Level (%)	CAS Nr	EC Nr	Substance	Hazard Classification	
				(Dir. 67/548/CE)	(Reg. CE 1272/2008)
35-50%	N/a	N/a	Cellulose		
35-50%	60323-79-7	N/a	Absorbent Polymer		
<1%	67-63-0	N/a	Isopropyl Alcohol		
1-5%	N/a	N/a	Fragrance		
C14-95%, C12-3%, C16-2%, dimethyl<1%	N/a	N/a	N-Alkyl		
N/a	139-08-02	N/a	Benzyl ammonium chloride dihydrate		
<1%	26172-55-4 & 2682-20-4	N/a	Microbiocide		

\*Formulation information is considered a trade secret

#### **SECTION 4: FIRST AID MEASURES**

General: No specific acute effects or symptoms are known.

Inhalation: No acute effects expected. If person is feeling unwell, remove to fresh air.

Ingestion: Possibility of ingestion limited due to product form and difficulty to chew and ingest. In the event of ingestion, rinse mouth thoroughly with water.

Skin: Wash off with soap and water.

Eyes: Possibility of eye contact limited. In the event, wash thoroughly with water or approved eyewash.

#### **SECTION 5: FIRE FIGHTING MEASURES**

Extinguishing Media: Use extinguishing media appropriate for the surrounding fire. Water spray, fog or mist. Dry chemicals, sand etc.

Exposure Hazards : Thermal decomposition or burning may release a variety of products ranging from simple hydrocarbons to toxic/irritating gases including carbon monoxide and carbon dioxide. Full protective clothing should be worn before a confined fire space is entered. Self-contained breathing apparatus should be worn.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

No special requirements for accidental release required. Apply good housekeeping practices.

#### **SECTION 7: HANDLING AND STORAGE**

Usage Precautions: Follow normal good-housekeeping practices. Keep away from direct flames.

Storage Precautions: Keep in cool, dry conditions in original containers at no more than 30° C

#### **SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**

Occupational Exposure limit: Not Established

Respiratory Protection: None required under normal usage

Protection: Although unexpected, avoid prolonged skin contact. Use chemically resistant gloves as needed.

Eye Protection: None required

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Cylindrical bottle with scented light brown powder.



Odor: Various

Odor Threshold: Not determined

Color: Light brown.

pH value: Not determined/applicable

Melting Pt: Estimated 60° C

Boiling Pt: Not applicable.

Flash pt: Not applicable.

Evaporation Rate: Not applicable.

Flammability: Not determined/applicable

UEL: Not determined

LEL: Not determined

Vapor Pressure: Not determined/applicable

Vapor Density: Not determined/applicable

Relative Density: Not determined

Solubility in water: Insoluble.

Partition Coefficient: Not determined

Autoignition Temperature: Not applicable

Decomposition Temperature: Not determined/applicable

#### **SECTION 10: STABILITY AND REACTIVITY**

Stability: Normally stable.

Conditions to avoid: Avoid extreme heat and naked flames.

Materials to avoid: Strong oxidizing agents.

Decomposition Products: None under normal storage conditions.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

Acute Effects: Ingredients include a small quantity of volatile fragrance chemicals which may contain small amounts of substances that are harmful if swallowed and/or irritating to the eyes and skin.

Chronic Effects: None are known.

Health Risks:

INHALATION: Prolonged exposure to volatile ingredients is unlikely to cause irritation or other adverse health effects.

INGESTION: No practical risk of adverse health effects.

SKIN CONTACT: No practical risk of adverse health effects.

EYE CONTACT: No practical risk of adverse health effects.

#### **SECTION 12: ECOLOGICAL INFORMATION**

No specific information has been established regarding the product. However according to the conventional method of Directive 99/45/EC the product is classified as harmful to aquatic organisms, or causing long-term effects in the aquatic environment.

Ecotoxicity: N/A

Persistence and Degradability: N/A

Bioaccumulative Potential: N/A

Mobility in Soil: N/A

Other Adverse Effects: N/A

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with Local Authority requirements e.g., for used product, as household waste

#### **SECTION 14: TRANSPORT INFORMATION**

Product is not regulated as hazardous

DOT Classifications: Non Hazardous

UN-Number: N/A

UN Proper Shipping Name: N/A

Transport Hazard Class: N/A

Packing group: N/A

Marine Pollutant: N/A

Special Precautions with Transport: N/A

#### **SECTION 15: REGULATORY INFORMATION**

Classification, Packaging and Labeling according to Directive 99/45/EC

Signal word:

WARNING

Pictograms:

Exclamation mark

Hazard Phrases:

H302: Harmful if swallowed.

H317: May cause allergic skin reaction.

Precautionary Phrases:

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P280: Wear suitable gloves.

P301+310: If swallowed, call physician

P302+P352: If on skin, wash with plenty of water.

P332+P313: If rash occurs, seek medical attention.

P501: Dispose of contents to an approved waste disposal plant.

#### **SECTION 16: OTHER INFORMATION**

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

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**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

---

**Material Name:** Sure-Seal® One-Part Pourable Sealer

**Chemical Family:** Mixture

**Product Use:** Moisture cure sealant.

**Restrictions on Use:** For industrial use only.

**Manufacturer Information**

Carlisle SynTec  
1285 Ritner Highway  
Carlisle, PA 17013  
USA  
Phone: +1-800-479-6832  
Emergency Phone #: +1-800-424-9300 (CHEMTREC)

---

**Section 2 - HAZARDS IDENTIFICATION**

---

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Hazardous classification: Irritant Category 2

**GHS Label Elements**

**Symbol(s)**



**Signal Word: Warning**

**Hazard Statement(s)**

H315 Causes skin irritation.

H317 May cause allergic skin reaction.

H319 Causes serious eye irritation.

**Precautionary Statement(s)**

P273 Avoid release into the environment.

P280 Wear protective gloves/protective clothing/eye protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes.

+ P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local regulation.

**R-Phrases**

R38 Irritating to skin.

R41 Risk serious damage to eyes.

## Safety Data Sheet

**Material Name: Sure-Seal® One-Part Pourable Sealer**

**Product #: 307647**

R43 May cause sensitization by skin contact.

**S-Phrases**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

Carcinogenicity: This product contains no ingredient listed as a carcinogen on California Proposition 65 list.

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### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

---

CAS	Component Name	Percent
1760-24-3	Amino Silane	1-3

---

### Section 4 - FIRST AID MEASURES

---

**Inhalation**

An unlikely route of entry. Remove to fresh air. Consult a physician.

**Skin**

Clean product from affected area with Ethyl alcohol, then wash with soap and water.

**Eyes**

Flush with large amounts of water for at least 15 minutes. Consult a Physician if ill effects or irritation occurs.

**Ingestion**

An unlikely route of entry. Consult a physician.

---

### Section 5 - FIRE FIGHTING MEASURES

---

**Extinguishing Media**

Water, CO2, Dry Chemical, Foam.

**Unusual Fire and Explosion Hazards:** None.

**Flashpoint:** N/A.

**Upper Flammability Limit:** N/A

**Lower Flammability Limit:** N/A

**Auto Ignition Temperature:** N/A

**Sensitivity to Impact:** N/A

**Sensitivity to Static Discharge:** N/A

## Safety Data Sheet

**Material Name: Sure-Seal® One-Part Pourable Sealer**

**Product #: 307647**

**Hazardous Combustion Products:** Thermal decomposition may produce toxic fumes of Carbon Monoxide, Carbon dioxide, Sulfur oxides and Hydrogen sulfide.

---

### Section 6 - ACCIDENTAL RELEASE MEASURES

---

**Handling Precautions:** Wear personal protective clothing and equipment, see Section 8. Avoid eye, skin and clothing contact.

**Cleanup:** Collect spill with absorbent material such as cardboard, allow to cure and place into a container approved for waste disposal.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

---

### Section 7 - HANDLING AND STORAGE

---

**Handling Precautions:** Use personal protection, see Section 8. Avoid eye, skin and clothing contact.

**Prevention of Fires and Explosions:** Product is not considered flammable under normal conditions, and product is not considered explosive.

**Storage Requirements:** Store in a cool dry area (this product polymerizes when in contact with moisture.)

---

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

**Eye/face protection:** Wear safety glasses or goggles to avoid eye contact.

**Skin Protection:** Wear appropriate work clothing. Wear protective shoes. Recommended material: protective skin cream.

**Environmental Exposure Control:** No specific controls are needed.

**Hand Protection:** Wear impervious gloves such as vinyl to minimize contact with skin.

## Safety Data Sheet

**Material Name:** Sure-Seal® One-Part Pourable Sealer

**Product #:** 307647

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Paste, mild mint scent	<b>Physical State</b>	Water Solubility: Insoluble
<b>Odor Threshold</b>	N/A	<b>pH</b>	N/A
<b>Melting Point</b>	N/A	<b>Flash Point</b>	N/A
<b>Freezing point</b>	N/A	<b>Flash Point Method</b>	Based on FP of the most volatile component
<b>Autoignition</b>	N/A	<b>Vapor Pressure</b>	<1
<b>Lower Explosive Limit</b>	N/A	<b>Specific Gravity (water=1)</b>	1.39
<b>Upper Explosive Limit</b>	N/A	<b>% Volatile</b>	1.07%
<b>Vapor Density (air=1)</b>	>1	<b>VOC</b>	14.9 g/l
<b>Density</b>	11.59 lbs./gal. (calculated)		

**Other Information**

No additional information available.

### Section 10 - STABILITY AND REACTIVITY

**Chemical Stability**

Stable under normal conditions of use.

**Conditions to Avoid**

None Known

**Incompatible Materials**

None Known

**Hazardous decomposition products**

Thermal decomposition may produce toxic fumes of Carbon Monoxide (CO) and/or Carbon Dioxide (CO<sub>2</sub>).

## Safety Data Sheet

Material Name: Sure-Seal® One-Part Pourable Sealer

Product #: 307647

---

### Section 11 - TOXICOLOGICAL INFORMATION

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**Amino Silane (Refer to sections 2 and 3)**

Oral: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.

Skin Absorption: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.

Inhalation: LC50 Not acutely Toxic.

**Skin Direct Contact:** Slight irritation.

**Eye Direct Contact:** Severe irritation. Remark: Causes corneal injury.

**Exposure Limits:** Not applicable.

**Sensitization:** No.

**Reproductive Toxicity:** No.

**Mutagenicity:** No.

**Teratogenicity:** No.

**Synergistic Products:** None.

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### Section 12 - ECOLOGICAL INFORMATION

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No known applicable information.

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### Section 13 - DISPOSAL CONSIDERATIONS

---

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.

---

### Section 14 - TRANSPORT INFORMATION

---

**Special shipping information:** None.

**DOT:** Not regulated.

**TDG:** Not available.

**PIN:** Not available.

## Safety Data Sheet

Material Name: Sure-Seal® One-Part Pourable Sealer

Product #: 307647

---

### Section 15 - REGULATORY INFORMATION

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**Rotterdam Convention (PIC) Annex III:** listed (Tributyl tin compounds (impurities) <2ppm)

#### U.S. Regulatory information

**OSHA 29 CFR 1910-1200** – Irritant.

**TSCA** – All components of this product are listed on TSCA Inventory.

**CERCLA Reportable Quantity** – Not applicable.

#### SARA Title III:

Section 302 Extremely Hazardous Substances – None.

Section 304 – Not applicable.

Section 311/312 – Immediate (acute) health hazard.

Section 313 – None.

**RCRA** – Refer to section 13.

**California Proposition 65 Carcinogens:** This product does not contain any chemicals known by the State of California to cause cancer.

**California Proposition 65 Reproductive Toxins:** This product does not contain any chemicals known by the State of California to cause reproductive harm.

**Canadian WHMIS Classification- D2B**

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### Section 16 - OTHER INFORMATION

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#### HMIG Rating

Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

#### Summary of Changes

Revision Date: July 2, 2019

Revision Note: General Update

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic





## Safety Data Sheet

**Material Name: Sure-Seal® One-Part Pourable Sealer**

**Product #: 307647**

Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

#### Disclaimer:

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