

#### 4. FIRST AID MEASURES

**Eyes:** Hold the eyelids apart and flush the eye gently with large amounts of water for at least 15 minutes.

**Skin:** Flush skin with cool water. Wash the exposed area with plenty of soap and water.

**Inhalation:** Remove individual to fresh air and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

**Ingestion:** Have person drink a glass of water immediately if able to swallow. Get medical attention immediately. Do Not INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### EFFECTS OF OVEREXPOSURE

**Acute:** Skin: Prolonged contact may defat skin leading to irritation and dermatitis. Eyes: Causes irritation, loss on natural lubrication.

**Chronic:** Skin: repeated or prolonged skin contact would be expected to cause drying, cracking and inflammation of the skin. (dermatitis)

#### 5. FIRE-FIGHTING MEASURES

**SPECIAL FIRE HAZARDS:** None

**FIRE FIGHTING METHODS:** Use CO2 Foam or Dry Chemical

**FLASH POINT:** UNK.

**FLAMMABLE LIMITS – LOWER:** UNK      **UPPER:** UNK

#### 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

##### Environmental precautions

Do not allow contact with soil, surface or ground water.

##### Methods and materials for containment and cleaning up

Stop leak if safe to do so. 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). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### 7. Handling and Storage

##### NORMAL HANDLING

Use smallest amounts possible in designated areas with adequate ventilation. Keep containers closed when not in use. Empty containers may contain hazardous residue. Avoid generating mists. Transfer solutions using equipment which is corrosion resistant. Cautiously transfer into sturdy containers made of compatible materials. Never return contaminated material to its original container. Never add water to solution, always add solution to water and provide agitation.

##### STORAGE

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Protect from damage. Store away from incompatible materials. Avoid freezing.

## 8. Exposure Control/Personal Protective Equipment

**RESPIRATORY PROTECTION:** n/a

**EYES AND FACE:** Splashproof glasses recommended

**HANDS, ARMS AND BODY:** Rubber gloves recommended

**OTHER CLOTHING AND EQUIPMENT:** n/a

## 9. Physical Properties

MATERIAL IS (AT NORMAL CONDITIONS): <b>Granular</b>		APPEARANCE AND ODOR <b>Granular White Mixture with Citrus odor</b>	
BOILING POINT <b>UNK</b>	MELTING POINT <b>NA</b>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) <b>1.80</b>	VAPOR DENSITY (AIR = 1) <b>0.012</b>
SOLUBILITY IN WATER (% by Weight) <b>100%</b>		pH <b>1% = 12.5 to 13.0</b>	VAPOR PRESSURE (mm Hg at 20°C) <b>N/A</b>
EVAPORATION RATE <input type="checkbox"/> (Butyl Acetate = 1) <input type="checkbox"/> (Ether = 1) <b>&lt;1 (Ether =1)</b>		% VOLATILES BY VOLUME (At 20°C) <b>0</b>	

## 10. Stability & Reactivity

**STABILITY:** Stable      **INCOMPATIBILITY:** None      **HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** None      **CONDITIONS TO AVOID:** None Known

## 11. TOXICOLOGICAL INFORMATION

**INFORMATION ON LIKELY ROUTES OF EXPOSURE:** Inhalation, Eye contact, Skin contact

### Potential Health Effects

**Eyes:** Causes serious eye damage    **Skin:** Causes sever skin irritation    **Ingestion:** May be harmful if swallowed  
**Inhalation:** Under normal conditions, vapor level will be too low to present inhalation hazard.

### Experience with human exposure

**Eyes:** Flush eyes immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes holding eye lids open.  
**Skin:** Flush skin with plenty of cool running water. Wash thoroughly with soap and water.  
**If Swallowed:** Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.  
**If Inhaled:** Move immediately to fresh air; If breathing is difficult, admister oxygen.

## 12. Ecological and Aquatic Toxicity

**BIODEGRADABILITY/AQUATIC TOXICITY:** No know Aquatic Toxidity or Ecotoxicological effects.

**OCTANOL/WATER PARTITION COEFFICIENT:** n/a

**EPA HAZARDOUS SUBSTANCE?** No      **IF SO, REPORTABLE QUANTITY:**      40 CFR 116-117

## 13. Disposal

### WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.

Dispose of waste material at an approved waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of with normal garbage or to sewer systems.

**14. Transportation**

D.O.T. CLASSIFICATION: Not Regulated by D.O.T.

**15. Regulatory**

**EPCRA- Emergency Planing and Community Right-to-Know**

**CERCLA Reportable Quantity:** This material does mnot contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity:** This material does not contain ay components with a section 304 EHS RQ.

**SECTION 313 (Specific toxic chemical listings):** None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):** On TSCA Inventory

**16. Other**

	NFPA	HMIS
HEALTH	2	2
FLAMMABILITY	0	0
REACTIVITY	0	0
SPECIAL HAZARDS		
PROTECTIVE EQUIPMENT		

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**ROYAL CUSTOM PRODUCT CODE(S):** RP-5346

461725

Wagner Supply Company Inc

Monday December 12, 2016

12:04:51 PM

PICK LIST FOR: A J'S DRILLING RIG SUPPLY

ROUTE: ZZ -

PAGE: 1

4600 FOUNTAIN

ORDER #  
550644-00 ODESSA TX 79761

KEVIN WILL PICK UP  
ROUTE: ZZ STOP:

BIN	LOCATION	ITEM NUMBER	SHIP QTY	U/M	DESCRIPTION	PRICE	UNIT	QTY	B/O QTY	QTY LEFT	LIN#	PRY	2ND LOC
	03-A-022	PGC-96892	1	CS	TISSUE BTHRM REG CHARMIN 8/6PK	1	CS			26	001 ZZ /		36

ORDER TOTAL 1 CASES ORDER CUBE: .000 CUBIC FEET ORDER WEIGHT: 10.520 POUNDS

R.P-3555-4



# SAFETY DATA SHEET

# Dust Mop Treatment

## 1. GENERAL INFORMATION

TRADE NAME (COMMON NAME OR SYNONYM) Dust Mop Treatment		C.A.S. NO. N/A	
CHEMICAL NAME/DESCRIPTION Dust Mop Treatment			
Emergency telephone number: ChemTel: 1-800-255-3924		Contract Number MIS0003698	
ADDRESS (No., STREET, CITY, STATE, AND ZIP CODE) Royal Custom Products 4844 Almond Dr. Dallas, TX 75247			
CONTACT Bob Vint	PHONE NUMBER 214-630-4386	ISSUED DATE 5/27/2015	REVISED DATE 5/27/2015

## 2. GHS Classification Signal Word: Warning

H227 Combustible Liquid



H315 Irritant Skin: Category 3 Eyes: Category 3



### HAZARD IDENTIFICATION

HAZARD DATA RATING: 1 – Health, 3 – Fire, 0 – Reactivity  
0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

#### GHS Hazard Statements

H303: May be harmful if Swallowed  
H313: May be harmful in contact with skin  
H320: Causes eye irritation  
H371: May cause danger to organs

#### GHS Precautionary Statements

P102: Keep out of the reach of children  
P103: Read label before use  
P262: Do not get in eyes, on skin or clothing  
P273: Avoid release to the environment  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P302+P352: IF ON SKIN: Wash with 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.  
P332+P313: If skin irritation occurs: Get medical advice/attention  
P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P374: Fight fire with normal precautions from a reasonable distance

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT/C.A.S. WT. %

CHEMICAL NAME

CAS #

CONCENTRATION (%)

MIXTURE OF C-9-C12 HYDROCARBONS

CAS# 64742-88-7

58-60

#### 4. FIRST AID MEASURES

**Eyes:** Hold the eyelids apart and flush the eye gently with large amounts of water for at least 15 minutes.

**Skin:** Flush skin with cool water. Wash the exposed area with plenty of soap and water.

**Inhalation:** Remove individual to fresh air and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

**Ingestion:** Have person drink a glass of water immediately if able to swallow. Get medical attention immediately. Do Not INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### EFFECTS OF OVEREXPOSURE

**Acute:** Skin: Prolonged contact may defat skin leading to irritation and dermatitis. Eyes: Causes irritation, loss on natural lubrication.

**Chronic:** Skin: repeated or prolonged skin contact would be expected to cause drying, cracking and inflammation of the skin. (dermatitis)

#### 5. FIRE-FIGHTING MEASURES

**SPECIAL FIRE HAZARDS:** Combustible Liquid

**FIRE FIGHTING METHODS:** Use CO2 Foam or Dry Chemical

**FLASH POINT:** 145 Degrees F.

**FLAMMABLE LIMITS – LOWER:** 0.7      **UPPER:** 6.1

#### 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

##### Environmental precautions

Do not allow contact with soil, surface or ground water.

##### Methods and materials for containment and cleaning up

Stop leak if safe to do so. 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). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### 7. Handling and Storage

##### NORMAL HANDLING

Use smallest amounts possible in designated areas with adequate ventilation. Keep containers closed when not in use. Empty containers may contain hazardous residue. Avoid generating mists. Transfer solutions using equipment which is corrosion resistant. Cautiously transfer into sturdy containers made of compatible materials. Never return contaminated material to its original container. Never add water to solution, always add solution to water and provide agitation.

##### STORAGE

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Protect from damage. Store away from incompatible materials. Avoid freezing.

## 8. Exposure Control/Personal Protective Equipment

**RESPIRATORY PROTECTION:** n/a

**EYES AND FACE:** Splashproof glasses recommended

**HANDS, ARMS AND BODY:** Rubber gloves recommended

**OTHER CLOTHING AND EQUIPMENT:** n/a

## 9. Physical Properties

MATERIAL IS (AT NORMAL CONDITIONS): Liquid		APPEARANCE AND ODOR Yellow Clear liquid with Banana odor	
BOILING POINT 352 degrees	MELTING POINT NA	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) .885	VAPOR DENSITY (AIR = 1) 0.012
SOLUBILITY IN WATER (% by Weight) 100%		pH 1% = 7.0 to 7.0	VAPOR PRESSURE (mm Hg at 20°C) N/A
EVAPORATION RATE <input type="checkbox"/> (Butyl Acetate = 1) <input type="checkbox"/> (Ether = 1) <1 (Ether =1)		% VOLATILES BY VOLUME (At 20°C) 0	

## 10. Stability & Reactivity

**STABILITY:** Stable      **INCOMPATIBILITY:** None      **HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** None      **CONDITIONS TO AVOID:** Strong Oxidizers and Excessive Heat

## 11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Inhalation, Eye contact, Skin contact

### Potential Health Effects

Eyes: Causes serious eye damage    Skin: Causes sever skin irritation    Ingestion: May be harmful if swallowed

Inhalation: Under normal conditions, vapor level will be too low to present inhalation hazard.

### Experience with human exposure

Eyes: Flush eyes immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes holding eye lids open.

Skin: Flush skin with plenty of cool running water. Wash thoroughly with soap and water.

If Swallowed: Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

If Inhaled: Move immediately to fresh air; If breathing is difficult, admister oxygen.

## 12. Ecological and Aquatic Toxicity

**BIODEGRADABILITY/AQUATIC TOXICITY:** No know Aquatic Toxicity or Ecotoxicological effects.

**OCTANOL/WATER PARTITION COEFFICIENT:** n/a

**EPA HAZARDOUS SUBSTANCE?** No      **IF SO, REPORTABLE QUANTITY:** 40 CFR 116-117

## 13. Disposal

### WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.

Dispose of waste material at an approved waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of with normal garbage or to sewer systems.

**14. Transportation**

D.O.T. CLASSIFICATION: Not Regulated by D.O.T.

**15. Regulatory**

**EPCRA- Emergency Planing and Community Right-to-Know**

**CERCLA Reportable Quantity:** This material does mnot contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity:** This material does not contain ay components with a section 304 EHS RQ.

**SECTION 313 (Specific toxic chemical listings):** None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):** All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**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**

	NFPA	HMIS
HEALTH	1	1
FLAMMABILITY	3	3
REACTIVITY	0	0
SPECIAL HAZARDS		
PROTECTIVE EQUIPMENT		

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**ROYAL CUSTOM PRODUCT CODE(S):** RP-3555



World Headquarters  
Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA USA 30049  
(800) 859-7946

Page 1  
Date Printed 8/31/15  
MSDS No: M01787

## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REAGENT 4 CHLORINE NEUTRALIZER  
**Catalog Number:** 26246BG

Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA USA 30049  
(800) 859-7946

24 HR. Emergency  
Telephone Numbers:  
(800) 424-9300 CHEMTREC (Transportation)  
(877) 800-5553 Poison Control Center (Medical)

**MSDS Number:** M01787  
**Chemical Name:** Not applicable  
**CAS Number:** Not applicable  
**Additional CAS No. (for hydrated forms):** Not applicable  
**Chemical Formula:** Not applicable  
**Chemical Family:** Not applicable  
**Intended Use:** Analytical reagent

### 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
**Hazard categories:** Not applicable  
**GHS Label Elements:**  
Not applicable

**Hazard statements:** Not applicable  
**Precautionary statements:** Not applicable

**HMIS:**

**Health:** 1  
**Flammability:** 0  
**Reactivity:** 0  
**Protective Equipment:** A - Safety Glasses

**NFPA:**

**Health:** 1  
**Flammability:** 0  
**Reactivity:** 0  
**Symbol:** None

**WHMIS Hazard Classification:** Not applicable  
**WHMIS Symbols:** Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Components according to GHS:**

**Sodium Thiosulfate**

**CAS Number:** 7772-98-7  
**Chemical Formula:** Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> · 5H<sub>2</sub>O  
**GHS Classification:** Skin Irrit 2, H315; Eye Irrit 2, H319, STOT SE 3, H335  
**Percent Range (Trade Secret):** < 5.0  
**Percent Range Units:** weight / weight  
**PEL:** 15 mg/m<sup>3</sup> as total dust; 5 mg/m<sup>3</sup> as respirable dust  
**TLV:** 10 mg/m<sup>3</sup> as inhalable dust

**WHMIS Symbols:** Not applicable

---

#### 4. FIRST AID MEASURES

**General Information:** In the event of exposure, show this Material Safety Data Sheet and label (where possible) to a doctor.

**Advice to doctor:** Treat symptomatically.

**Eye Contact:** Immediately flush eyes with water for 15 minutes. Call physician.

**Skin Contact (First Aid):** Wash skin with soap and plenty of water. Call physician if irritation develops.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. Call physician.

**Ingestion (First Aid):** Give large quantities of water. Never give anything by mouth to an unconscious person. Call physician immediately.

---

#### 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Material will not burn.

**Fire Fighting Instruction:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

**Extinguishing Media:** Water.

**Extinguishing Media NOT To Be Used:** Not applicable

**Fire / Explosion Hazards:** This product will not burn or explode.

**Hazardous Combustion Products:** This material will not burn.

---

#### 6. ACCIDENTAL RELEASE MEASURES

**Spill Response Notice:**

Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance.

**Containment Technique:** Stop spilled material from being released to the environment.

**Clean-up Technique:** Flush the spilled material to the drain with a large excess of water.

**Evacuation Procedure:** Evacuate as needed to perform spill clean-up. If conditions warrant, increase the size of the evacuation.

**DOT Emergency Response Guide Number:** Not applicable

---

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes skin clothing Do not breathe mist or vapors. Wash thoroughly after handling. Maintain general industrial hygiene practices when using this product.

**Storage:** Keep this product in its original container when not in use. Keep container tightly closed when not in use. Keep this product and all other chemicals out of children's reach.

**Flammability Class:** Not applicable

---

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Have an eyewash station nearby. Use general ventilation to minimize exposure to mist, vapor or dust. Maintain general industrial hygiene practices when using this product.

**Personal Protective Equipment:**

**Eye Protection:** safety glasses with top and side shields

**Skin Protection:** Not applicable

**Inhalation Protection:** Not applicable

**Precautionary Measures:** Wash thoroughly after handling. Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

**TLV:** Not established

**PEL:** Not established

**For Occupational Exposure Limits (OEL) for ingredients, see section 3 - Composition/Information on Ingredients.:**

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, colorless

**Physical State:** Liquid

**Molecular Weight:** Not applicable

**Odor:** None

**Odor Threshold:** Odorless

**pH:** 5 to 7

**Metal Corrosivity:**

**Corrosivity Classification:** Not classified as corrosive to metals according to GHS criteria.

**Steel:** Not determined

**Aluminum:** Not determined

**Specific Gravity/ Relative Density (water = 1; air =1):** 1.0

**Viscosity:** Not determined

**Solubility:**

**Water:** Miscible

**Acid:** Not determined

**Other:** Not determined

**Partition Coefficient (n-octanol / water):** Not applicable

**Coefficient of Water / Oil:** Not applicable

**Melting Point:** Not applicable

**Decomposition Temperature:** Not determined

**Boiling Point:** Not determined

**Vapor Pressure:** Not determined

**Vapor Density (air = 1):** Not determined

**Evaporation Rate (water = 1):** Not determined

**Volatile Organic Compounds Content:** Not applicable

**Flammable Properties:** Material will not burn.

**Flash Point:** Not applicable

**Method:** Not applicable

**Flammability Limits:**

**Lower Explosion Limits:** Not applicable

**Upper Explosion Limits:** Not applicable

**Autoignition Temperature:** Not applicable

**Explosive Properties:**

Not determined

**Oxidizing Properties:**

Not determined

**Reactivity Properties:**

Not determined

**Gas under Pressure:**

Not classified according to GHS criteria.

---

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.

**Mechanical Impact:** None reported

**Static Discharge:** None reported.

**Reactivity / Incompatibility:** oxidizers Other pool/spa chemicals in their concentrated forms.

**Hazardous Decomposition:** Heating to decomposition releases: sulfur oxides

**Conditions to Avoid:** Excessive heat Poor Ventilation Contamination

---

## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, Metabolism and Distribution:** No health effects are anticipated in normal use.

**Toxicologically Synergistic Products:** None reported

**Acute Toxicity:** Route Data Given Below

ATE Oral LD50 = 287356 mg/Kg

**Specific Target Organ Toxicity - Single Exposure (STOT-SE):** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeat Exposure (STOT-RE):** Based on classification principles, the classification criteria are not met.

**Skin Corrosion/Irritation:** Based on classification principles, the classification criteria are not met.

**Eye Damage:** Based on classification principles, the classification criteria are not met.

**Sensitization:** Based on classification principles, the classification criteria are not met.

**CMR Effects/Properties (carcinogenic, mutagenic or toxic to reproduction):** Based on classification principles, the classification criteria are not met.

This product does NOT contain any NTP listed chemicals.

This product does NOT contain any OSHA listed carcinogens.

**Symptoms/Effects:**

**Ingestion:** No Effects Anticipated

**Inhalation:** May cause: irritation of nose and throat

**Skin Absorption:** No effects anticipated

**Chronic Effects:** None reported

**Medical Conditions Aggravated:** None reported

---

## 12. ECOLOGICAL INFORMATION

**Product Ecological Information: --**

No ecological data available for this product.

**Ingredient Ecological Information: --**

No ecological data available for the ingredients of this product.

---

## 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:** Not applicable

**Special Instructions (Disposal):** Dilute to 3 to 5 times the volume with cold water. Open cold water tap completely, slowly pour the reacted material to the drain.

**Empty Containers:** Rinse three times with an appropriate solvent. Dispose of empty container as normal trash.

**NOTICE (Disposal):** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information. In Europe: Chemical and analysis solutions must be disposed of in compliance with the respective national regulations. Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

---

## 14. TRANSPORT INFORMATION

**D.O.T.:**

**D.O.T. Proper Shipping Name:** Not Currently Regulated

--

**Hazard Class:** NA

**Subsidiary Risk:** NA

**ID Number:** NA

**Packing Group:** NA

**T.D.G.:**

**Proper Shipping Name:** Not Currently Regulated

--

**Hazard Class:** NA

**Subsidiary Risk:** NA

**UN Number/PIN:** NA

**Packing Group:** NA

**I.C.A.O.:**

**I.C.A.O. Proper Shipping Name:** Not Currently Regulated

--  
**Hazard Class:** NA  
**Subsidiary Risk:** NA  
**ID Number:** NA  
**Packing Group:** NA

**I.M.O.:**

**Proper Shipping Name:** Not Currently Regulated

--  
**Hazard Class:** NA  
**Subsidiary Risk:** NA  
**ID Number:** NA  
**Packing Group:** NA

**Additional Information:** There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is NOT in a set or kit, the classification given above applies. If the item IS part of a set or kit, the classification would change to the following: UN3316 Chemical Kit, Class 9, PG II or III. If the item is not regulated, the Chemical Kit classification does not apply.

---

## 15. REGULATORY INFORMATION

**U.S. Federal Regulations:**

**O.S.H.A.:** This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29 CFR 1910.1200)

**E.P.A.:**

**S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370):** Immediate (Acute) Health Hazard

**S.A.R.A. Title III Section 313 (40 CFR 372):** This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.

--  
**302 (EHS) TPQ (40 CFR 355):** Not applicable  
**304 CERCLA RQ (40 CFR 302.4):** Not applicable  
**304 EHS RQ (40 CFR 355):** Not applicable  
**Clean Water Act (40 CFR 116.4):** Not applicable  
**RCRA:** Not applicable

**State Regulations:**

**California Prop. 65:** No Prop. 65 listed chemicals are present in this product.

**Identification of Prop. 65 Ingredient(s):** None

**California Perchlorate Rule CCR Title 22 Chap 33:** Not applicable

**Trade Secret Registry:** Not applicable

**National Inventories:**

**U.S. Inventory Status:** All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710).

**CAS Number:** Not applicable

**Canadian Inventory Status:** All ingredients of this product are DSL Listed.

**EEC Inventory Status:** All ingredients used to make this product are listed on EINECS / ELINCS.

**Australian Inventory (AICS) Status:** Not determined

**New Zealand Inventory (NZIoC) Status:** Not determined

**Korean Inventory (KECI) Status:** Not determined

**Japan (ENCS) Inventory Status:** Not determined

**China (PRC) Inventory (MEP) Status:** Not determined

---

## 16. OTHER INFORMATION

**References:** 29 CFR 1900 - 1910 (Code of Federal Regulations - Labor). Cassaret and Doull's Toxicology, 3rd Ed. New York: Macmillan Publishing Co., Inc., 1986. Gosselin, R. E. et al. Clinical Toxicology of Commercial Products, 5th Ed. Baltimore: The Williams and Wilkins Co., 1984. Technical Judgment. Vendor Information.

**Complete Text of H phrases referred to in Section 3:** Not applicable

**Revision Summary:** Substantial revision to comply with EU Reg 1272/2008, Reg 1907/2006 and UN GHS (ST/SG/AC.10/36/Add.3).

**Date of MSDS Preparation:**

**Day:** 05

World Headquarters  
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Date Printed 8/31/15  
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**Month:** February  
**Year:** 2014

**MSDS Prepared:** MSDS prepared by Product Compliance Department extension 3350

**CCOHS Evaluation Note:** It is offered under exemption from WHMIS labeling as specified in the Controlled Products Regulation (CPR) Section 17.

---

**Legend:**

NA - Not Applicable	w/w - weight/weight
ND - Not Determined	w/v - weight/volume
NV - Not Available	v/v - volume/volume

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**

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BIO-26242

World Headquarters  
Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA USA 30049  
(800) 859-7946

Page 1  
Date Printed 8/31/15  
MSDS No: M01747

## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REAGENT 2 PHENOL RED INDICATOR  
**Catalog Number:** 26242BG

Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA USA 30049  
(800) 859-7946

24 HR. Emergency  
Telephone Numbers:  
(800) 424-9300 CHEMTREC (Transportation)  
(877) 800-5553 Poison Control Center (Medical)

**MSDS Number:** M01747  
**Chemical Name:** Not Applicable  
**CAS Number:** Not applicable  
**Additional CAS No. (for hydrated forms):** Not applicable  
**Chemical Formula:** Not Applicable  
**Chemical Family:** Indicators  
**Intended Use:** Indicator for pH

### 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
**Hazard categories:** Not applicable  
**GHS Label Elements:**  
Not applicable

**Hazard statements:** Not applicable  
**Precautionary statements:** Not applicable

**HMIS:**

**Health:** 0  
**Flammability:** 0  
**Reactivity:** 0  
**Protective Equipment:** A - Safety Glasses

**NFPA:**

**Health:** 0  
**Flammability:** 0  
**Reactivity:** 0  
**Symbol:** None

**WHMIS Hazard Classification:** Not applicable  
**WHMIS Symbols:** Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Components according to GHS:**

**Sodium Hydroxide**

**CAS Number:** 1310-73-2  
**Chemical Formula:** NaOH  
**GHS Classification:** Met. Corr.1, H290; Skin Corr. 1A, H314; Aquatic Acute 3, H402  
**Percent Range (Trade Secret):** Proprietary  
**Percent Range Units:** Not applicable  
**PEL:** 2 mg/m<sup>3</sup>  
**TLV:** Not established

**WHMIS Symbols:** Acute Poison Corrosive

**Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis-, S,S-dioxide, monosodium salt**

**CAS Number:** 34487-61-1

**Chemical Formula:** C<sub>19</sub>H<sub>13</sub>O<sub>5</sub>SNa

**GHS Classification:** Acute Tox. 4-Orl, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2A, H319; STOT Single 3, H335; Aquatic Acute 2, H401

**Percent Range (Trade Secret):** Proprietary

**Percent Range Units:** Not applicable

**PEL:** 15 mg/m<sup>3</sup> as total dust; 5 mg/m<sup>3</sup> as respirable dust

**TLV:** 10 mg/m<sup>3</sup> as inhalable dust; 3 mg/m<sup>3</sup> as respirable dust

**WHMIS Symbols:** Not applicable

**Phenol Red**

**CAS Number:** 143-74-8

**Chemical Formula:** C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>S

**GHS Classification:** Acute Tox. 4-Orl, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2A, H319; STOT Single 3, H335

**Percent Range (Trade Secret):** Proprietary

**Percent Range Units:** Not applicable

**PEL:** 15 mg/m<sup>3</sup> as total dust; 5 mg/m<sup>3</sup> as respirable dust

**TLV:** 10 mg/m<sup>3</sup> as inhalable dust; 3 mg/m<sup>3</sup> as respirable dust

**WHMIS Symbols:** Not applicable

**Hazardous Components according to GHS:** No

**Demineralized Water**

**CAS Number:** 7732-18-5

**Chemical Formula:** H<sub>2</sub>O

**GHS Classification:** Not a dangerous substance according to GHS.

**Percent Range (Trade Secret):** Proprietary

**Percent Range Units:** Not applicable

**PEL:** Not established

**TLV:** Not established

**WHMIS Symbols:** Not applicable

**Proprietary Components**

**CAS Number:** Not applicable

**Chemical Formula:** Not applicable

**GHS Classification:** Not classified per GHS

**Percent Range (Trade Secret):** 100.0

**Percent Range Units:** weight / weight

**PEL:** Not established

**TLV:** Not established

**WHMIS Symbols:** Not applicable

---

#### 4. FIRST AID MEASURES

**General Information:** In the event of exposure, show this Material Safety Data Sheet and label (where possible) to a doctor.

**Advice to doctor:** Treat symptomatically.

**Eye Contact:** Immediately flush eyes with water for 15 minutes. Call physician immediately.

**Skin Contact (First Aid):** Wash skin with soap and plenty of water. Call physician if irritation develops.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. Call physician.



**Ingestion (First Aid):** Give 1-2 glasses of water. Never give anything by mouth to an unconscious person. Call physician immediately.

---

## 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Material will not burn.

**Fire Fighting Instruction:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. Evacuate area and fight fire from a safe distance.

**Extinguishing Media:** Use media appropriate to surrounding fire conditions

**Extinguishing Media NOT To Be Used:** Not applicable

**Fire / Explosion Hazards:** None reported

**Hazardous Combustion Products:** carbon monoxide, carbon dioxide.

---

## 6. ACCIDENTAL RELEASE MEASURES

**Spill Response Notice:**

Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance.

**Containment Technique:** Dike large spills to keep spilled material from entering sewage and drainage systems or bodies of water.

**Clean-up Technique:** Flush the spilled material to the drain with a large excess of water.

**Evacuation Procedure:** Evacuate as needed to perform spill clean-up.

**DOT Emergency Response Guide Number:** Not applicable

---

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes skin clothing Do not breathe mist or vapors.

**Storage:** Store in a cool, dry, well-ventilated place. Keep this product in its original container when not in use. Keep this product and all other chemicals out of children's reach.

**Flammability Class:** Not applicable

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** A system of local and/or general exhaust is recommended to keep exposures as low as possible

**Personal Protective Equipment:**

**Eye Protection:** safety glasses with top and side shields

**Skin Protection:** Not applicable

**Inhalation Protection:** adequate ventilation

**Precautionary Measures:**

**TLV:** Not Established

**PEL:** Not Established

**For Occupational Exposure Limits (OEL) for ingredients, see section 3 - Composition/Information on Ingredients.:**

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, red liquid

**Physical State:** Liquid

**Molecular Weight:** Not Applicable

**Odor:** Odorless

**Odor Threshold:** Odorless

**pH:** 8

**Metal Corrosivity:**

**Corrosivity Classification:** Not classified as corrosive to metals according to GHS criteria.

**Steel:** Not Determined

**Aluminum:** Not Determined

**Specific Gravity/ Relative Density (water = 1; air =1):** 1 g/mL

**Viscosity:** Not determined

**Solubility:**

**Water:** Miscible

**Acid:** Not Determined

**Other:** Not Determined

**Partition Coefficient (n-octanol / water):** Not applicable

**Coefficient of Water / Oil:** Not Applicable

**Melting Point:** Not Determined

**Decomposition Temperature:** Not determined

**Boiling Point:** Not Determined

**Vapor Pressure:** Not Determined

**Vapor Density (air = 1):** Not Determined

**Evaporation Rate (water = 1):** Not Determined

**Volatile Organic Compounds Content:** Not Applicable

**Flammable Properties:** Material will not burn.

**Flash Point:** Not Applicable

**Method:** Not applicable

**Flammability Limits:**

**Lower Explosion Limits:** Not Applicable

**Upper Explosion Limits:** Not Applicable

**Autoignition Temperature:** Not Applicable

**Explosive Properties:**

Not determined

**Oxidizing Properties:**

Not determined

**Reactivity Properties:**

Not determined

**Gas under Pressure:**

Not classified according to GHS criteria.

---

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.

**Mechanical Impact:** None reported

**Static Discharge:** None reported.

**Reactivity / Incompatibility:** oxidizers

**Hazardous Decomposition:** carbon dioxide carbon monoxide various organic compounds

**Conditions to Avoid:** Contamination Excessive heat Poor Ventilation

---

## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, Metabolism and Distribution:** No information available for mixture.

**Toxicologically Synergistic Products:** None reported

**Acute Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure (STOT-SE):** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeat Exposure (STOT-RE):** Based on classification principles, the classification criteria are not met.

**Skin Corrosion/Irritation:** Based on classification principles, the classification criteria are not met.

**Eye Damage:** Based on classification principles, the classification criteria are not met.

**Sensitization:** Based on classification principles, the classification criteria are not met.

**CMR Effects/Properties (carcinogenic, mutagenic or toxic to reproduction):** Based on classification principles, the classification criteria are not met.

This product does NOT contain any IARC listed chemicals.

This product does NOT contain any NTP listed chemicals.

This product does NOT contain any OSHA listed carcinogens.

**Symptoms/Effects:**

**Ingestion:** No Effects Anticipated  
**Inhalation:**  
**Skin Absorption:** No effects anticipated  
**Chronic Effects:** None reported  
**Medical Conditions Aggravated:** None reported

---

## 12. ECOLOGICAL INFORMATION

**Product Ecological Information: --**  
No ecological data available for this product.  
**Ingredient Ecological Information: --**  
No ecological data available for the ingredients of this product.

---

## 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:** Not applicable  
**Special Instructions (Disposal):** Dilute to 3 to 5 times the volume with cold water. Open cold water tap completely, slowly pour the material to the drain.  
**Empty Containers:** Rinse three times with an appropriate solvent. Dispose of empty container as normal trash.  
**NOTICE (Disposal):** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information. In Europe: Chemical and analysis solutions must be disposed of in compliance with the respective national regulations. Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

---

## 14. TRANSPORT INFORMATION

**D.O.T.:**  
**D.O.T. Proper Shipping Name:** Not Currently Regulated  
--  
**Hazard Class:** NA  
**Subsidiary Risk:** NA  
**ID Number:** NA  
**Packing Group:** NA  
**T.D.G.:**  
**Proper Shipping Name:** Not Currently Regulated  
--  
**Hazard Class:** NA  
**Subsidiary Risk:** NA  
**UN Number/PIN:** NA  
**Packing Group:** NA  
**I.C.A.O.:**  
**I.C.A.O. Proper Shipping Name:** Not Currently Regulated  
--  
**Hazard Class:** NA  
**Subsidiary Risk:** NA  
**ID Number:** NA  
**Packing Group:** NA  
**I.M.O.:**  
**Proper Shipping Name:** Not Currently Regulated  
--  
**Hazard Class:** NA  
**Subsidiary Risk:** NA  
**ID Number:** NA  
**Packing Group:** NA

**Additional Information:** There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is NOT in a set or kit, the classification given above applies. If the item

IS part of a set or kit, the classification would change to the following: UN3316 Chemical Kit, Class 9, PG II or III. If the item is not regulated, the Chemical Kit classification does not apply.

---

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations:

**O.S.H.A.:** This product does not meet the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29 CFR 1910.1200)

### E.P.A.:

**S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370):** Not applicable

**S.A.R.A. Title III Section 313 (40 CFR 372):** This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.

--

**302 (EHS) TPQ (40 CFR 355):** Not applicable

**304 CERCLA RQ (40 CFR 302.4):** Not applicable

**304 EHS RQ (40 CFR 355):** Not applicable

**Clean Water Act (40 CFR 116.4):** Not applicable

**RCRA:** Contains no RCRA regulated substances.

### State Regulations:

**California Prop. 65:** No Prop. 65 listed chemicals are present in this product.

**Identification of Prop. 65 Ingredient(s):** --

**California Perchlorate Rule CCR Title 22 Chap 33:** Not applicable

**Trade Secret Registry:** Not applicable

### National Inventories:

**U.S. Inventory Status:** All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710).

**CAS Number:** Not applicable

**Canadian Inventory Status:** All ingredients of this product are DSL/NDSL Listed.

**EEC Inventory Status:** All ingredients used to make this product are listed on EINECS / ELINCS.

**Australian Inventory (AICS) Status:** Not determined

**New Zealand Inventory (NZIoC) Status:** Not determined

**Korean Inventory (KECI) Status:** Not determined

**Japan (ENCs) Inventory Status:** Not determined

**China (PRC) Inventory (MEP) Status:** Not determined

---

## 16. OTHER INFORMATION

**References:** Vendor Information.

**Complete Text of H phrases referred to in Section 3:** Not applicable

**Revision Summary:** . Substantial revision to comply with EU Reg 1272/2008, Reg 1907/2006 and UN GHS (ST/SG/AC.10/36/Add.3).

**Date of MSDS Preparation:**

**Day:** 25

**Month:** December

**Year:** 2014

**MSDS Prepared:** MSDS prepared by Product Compliance Department extension 3350

**CCOHS Evaluation Note:** It is offered under exemption from WHMIS labeling as specified in the Controlled Products Regulation (CPR) Section 17.

---

### Legend:

NA - Not Applicable	w/w - weight/weight
ND - Not Determined	w/v - weight/volume
NV - Not Available	v/v - volume/volume

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

*World Headquarters  
Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA USA 30049  
(800) 859-7946*

*Page 7  
Date Printed 8/31/15  
MSDS No: M01747*

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HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA  
OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**

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1210-26204

World Headquarters  
 Bio-Lab, Inc.  
 P.O. Box 300002  
 Lawrenceville, GA USA 30049  
 (800) 859-7946

Page 1  
 Date Printed 8/31/15  
 MSDS No: M01786

## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Bioguard DPD #1 Tablets  
**Catalog Number:** J50455

Bio-Lab, Inc.  
 P.O. Box 300002  
 Lawrenceville, GA USA 30049  
 (800) 859-7946

24 HR. Emergency  
 Telephone Numbers:  
 (800) 424-9300 CHEMTREC (Transportation)  
 (877) 800-5553 Poison Control Center (Medical)

**MSDS Number:** M01786  
**Chemical Name:** Not Applicable  
**CAS Number:** Not applicable  
**Additional CAS No. (for hydrated forms):** Not applicable  
**Chemical Formula:** Not Applicable  
**Chemical Family:** Not applicable  
**Intended Use:** Determination of Free Chlorine

### 2. HAZARDS IDENTIFICATION

This substance is not classified as hazardous per GHS (UN publication ST/SG/AC.10/36/Add.3)

**GHS Classification:**

**Hazard categories:** Not applicable

**GHS Label Elements:**

Not applicable

**Hazard statements:** Not applicable

**Precautionary statements:** Not applicable

**HMIS:**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Protective Equipment:** B - Safety Glasses and Gloves

**NFPA:**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Symbol:** Not applicable

**WHMIS Hazard Classification:** Not applicable

**WHMIS Symbols:** Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Components according to GHS:**

DPD Sulfate

**CAS Number:** 6283-63-2

**Chemical Formula:**  $C_{10}H_{16}N_2 \cdot H_2SO_4$

**GHS Classification:** Acute Tox 4-Orl, H302; Acute Tox 4- Der, H312; Eye Irrit. 2B, H319

**Percent Range (Trade Secret):** 0.5 - 3.0

**Percent Range Units:** weight / weight

**PEL:** Not established

**TLV:** Not established

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.  
**Mechanical Impact:** None reported  
**Static Discharge:** None reported.  
**Reactivity / Incompatibility:** None reported  
**Hazardous Decomposition:** Heating to decomposition releases toxic and/or corrosive fumes of: carbon dioxide carbon monoxide  
**Conditions to Avoid:** Excess moisture Excessive heat

---

## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, Metabolism and Distribution:** No information available  
**Toxicologically Synergistic Products:** None reported  
**Acute Toxicity:** No Acute Toxicity Data Found  
**Specific Target Organ Toxicity - Single Exposure (STOT-SE):** No data found  
**Specific Target Organ Toxicity - Repeat Exposure (STOT-RE):** No data found  
**Skin Corrosion/Irritation:** No data found.  
**Eye Damage:** No data found  
**Sensitization:** Skin Sensitizer  
**CMR Effects/Properties (carcinogenic, mutagenic or toxic to reproduction):** No Alerts for carcinogenic activity  
This product does NOT contain any IARC listed chemicals.  
This product does NOT contain any NTP listed chemicals.  
This product does NOT contain any OSHA listed carcinogens.  
**Symptoms/Effects:**  
**Ingestion:** May be harmful if swallowed  
**Inhalation:** No effects anticipated  
**Skin Absorption:** None Reported  
**Chronic Effects:** None reported  
**Medical Conditions Aggravated:** Pre-existing: Eye conditions Skin conditions

---

## 12. ECOLOGICAL INFORMATION

**Product Ecological Information:** --  
No ecological data available for this product.  
**Ingredient Ecological Information:** --  
No ecological data available for the ingredients of this product.

---

## 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:** Not applicable  
**Special Instructions (Disposal):** Dilute to 3 to 5 times the volume with cold water. Open cold water tap completely, slowly pour the material to the drain. Allow cold water to run for 5 minutes to completely flush the system.  
**Empty Containers:** Rinse three times with an appropriate solvent. Dispose of empty container as normal trash.  
**NOTICE (Disposal):** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information. In Europe: Chemical and analysis solutions must be disposed of in compliance with the respective national regulations. Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

---

## 14. TRANSPORT INFORMATION

**D.O.T.:**  
**D.O.T. Proper Shipping Name:** Not Currently Regulated  
--  
**Hazard Class:** NA  
**Subsidiary Risk:** NA

**ID Number:** NA

**Packing Group:** NA

**T.D.G.:**

**Proper Shipping Name:** Not Currently Regulated

--

**Hazard Class:** NA

**Subsidiary Risk:** NA

**UN Number/PIN:** NA

**Packing Group:** NA

**I.C.A.O.:**

**I.C.A.O. Proper Shipping Name:** Not Currently Regulated

--

**Hazard Class:** NA

**Subsidiary Risk:** NA

**ID Number:** NA

**Packing Group:** NA

**I.M.O.:**

**Proper Shipping Name:** Not Currently Regulated

--

**Hazard Class:** NA

**Subsidiary Risk:** NA

**ID Number:** NA

**Packing Group:** NA

**Additional Information:** There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is NOT in a set or kit, the classification given above applies. If the item IS part of a set or kit, the classification would change to the following: UN3316 Chemical Kit, Class 9, PG II or III. If the item is not regulated, the Chemical Kit classification does not apply.

---

## 15. REGULATORY INFORMATION

### **U.S. Federal Regulations:**

**O.S.H.A.:** This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29 CFR 1910.1200)

**E.P.A.:**

**S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370):** Immediate (Acute) Health Hazard

**S.A.R.A. Title III Section 313 (40 CFR 372):** This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.

--

**302 (EHS) TPQ (40 CFR 355):** Not applicable

**304 CERCLA RQ (40 CFR 302.4):** Not applicable

**304 EHS RQ (40 CFR 355):** Not applicable

**Clean Water Act (40 CFR 116.4):** Not applicable

**RCRA:** Contains no RCRA regulated substances.

### **State Regulations:**

**California Prop. 65:** No Prop. 65 listed chemicals are present in this product.

**Identification of Prop. 65 Ingredient(s):** Not applicable

**California Perchlorate Rule CCR Title 22 Chap 33:** Not applicable

**Trade Secret Registry:** Not applicable

### **National Inventories:**

**U.S. Inventory Status:** All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710).

**CAS Number:** Not applicable

**Canadian Inventory Status:** All ingredients of this product are DSL/NDSL Listed.

**EEC Inventory Status:** All ingredients used to make this product are listed on EINECS / ELINCS.

**Australian Inventory (AICS) Status:** Not determined

**New Zealand Inventory (NZIoC) Status:** Not determined

**Korean Inventory (KECI) Status:** Not determined

**Japan (ENCS) Inventory Status:** Not determined

**China (PRC) Inventory (MEP) Status:** Not determined



---

## 16. OTHER INFORMATION

**References:** TLV's Threshold Limit Values and Biological Exposure Indices for 1992-1993. American Conference of Governmental Industrial Hygienists, 1992. Air Contaminants, Federal Register, Vol. 54, No. 12. Thursday, January 19, 1989. pp. 2332-2983. In-house information. Technical Judgment. Outside Testing. Sax, N. Irving. Dangerous Properties of Industrial Materials, 7th Ed. New York: Van Nostrand Reinhold Co., 1989.

**Complete Text of H phrases referred to in Section 3:** H302 Harmful if swallowed. H312 Harmful in contact with skin. H319 Causes serious eye irritation.

**Revision Summary:** . Substantial revision to comply with EU Reg 1272/2008, Reg 1907/2006 and UN GHS (ST/SG/AC.10/36/Add.3).

**Date of MSDS Preparation:**

**Day:** 01

**Month:** September

**Year:** 2014

**MSDS Prepared:** MSDS prepared by Product Compliance Department extension 3350

**CCOHS Evaluation Note:** Not applicable

---

### Legend:

NA - Not Applicable	w/w - weight/weight
ND - Not Determined	w/v - weight/volume
NV - Not Available	v/v - volume/volume

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**

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ACD-Hydro-15gal <sup>50gal</sup>

# SAFETY DATA SHEET

**MURIATIC ACID 20 DEG.**

**Product ID: AC002044**

**Revised: 04-18-2017**

**Replaces: 12-07-2015**

## 1. IDENTIFICATION

**Product Identifier:** MURIATIC ACID 20 DEG.  
**Other Identifiers:** Hydrochloric Acid; Hydrogen Chloride  
**CAS Number:** MIXTURE  
**Recommended Use:** Acidification (activation) of petroleum wells, scale removal, ore reduction, metal cleaning, industrial acidification.  
**Restrictions on Use:** No data available.

**Hydrite Chemical Co.**  
**300 N. Patrick Blvd.**  
**Brookfield, WI 53008-0948**  
**(262) 792-1450**

**EMERGENCY RESPONSE NUMBERS:**  
**24 Hour Emergency #: (414) 277-1311**  
**CHEMTREC Emergency #: (800) 424-9300**

## 2. HAZARD(S) IDENTIFICATION

**GHS Classification(s):** Substance or mixture corrosive to metals Category 1  
 Skin Corrosion/Irritation Category 1B  
 Serious Eye Damage/Eye Irritation Category 1  
 Respiratory Sensitisation Category 1  
 Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 2  
 Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2  
 Acute Toxicity - Inhalation Dust / Mist Category 4  
 Acute Toxicity - Oral Category 4

**GHS Label Elements:**

**GHS Hazard Symbols:**



**Signal Word:** Danger

**Hazard Statements:** May be corrosive to metals.  
 Harmful if swallowed or if inhaled.  
 Causes severe skin burns and eye damage.  
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 May cause damage to organs (respiratory system by inhalation).  
 May cause damage to organs (teeth, respiratory system) through prolonged or repeated exposure (by inhalation).

**Precautionary Statements:**

**Prevention:** Keep only in original container.  
 Do not breathe dust/fume/gas/mist/vapours/spray.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 In case of inadequate ventilation wear respiratory protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

**MURIATIC ACID 20 DEG.**  
**Product ID: AC002044**

water.  
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. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
Specific treatment (see First Aid on SDS or on this label).  
If experiencing respiratory symptoms: Call a POISON CENTER or doctor.  
Wash contaminated clothing before reuse.  
Absorb spillage to prevent material damage.

**Storage:** Store in a secure manner.  
Store in corrosive resistant container with a resistant inner liner.

**Disposal:** Dispose of in accordance with local, regional and international regulations.

**Hazards Not Otherwise Classified:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances/Mixtures:**

<u>Chemical or Common Name/Synonyms</u>	<u>CAS Number</u>	<u>% by Wt.</u>
Hydrogen Chloride	7647-01-0	~ 31.5 %

Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

### 4. FIRST-AID MEASURES

**Description of Necessary Measures:**

**Eye Contact:** If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Do not attempt to neutralize with chemical agents. Consult an ophthalmologist or eye specialist and physician IMMEDIATELY in all cases.

**Skin Contact:** If on skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not apply oils or ointments unless ordered by the physician.

**Inhalation:** If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

**Ingestion:** If swallowed: If fully conscious, drink a quart of water. DO NOT induce vomiting. CALL A PHYSICIAN IMMEDIATELY. If unconscious or in convulsions, take immediately to a hospital or a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**Most Important Symptoms/Effects, Acute and Delayed:**

**Eye Contact:** CORROSIVE-Causes severe irritation and burns. Liquid or vapor may cause: severe irritation. pain. redness. watering. corneal opacity. burns. tissue destruction. permanent eye damage. blindness.

**Skin Contact:** CORROSIVE-Causes severe irritation and burns. Causes: pain. redness. blistering. swelling. skin damage. scarring. permanent skin damage. death. Mists may cause: irritation. burns.

**Skin Absorption:** No data available.

**Inhalation:** CORROSIVE-Causes severe irritation and burns. Harmful or fatal if inhaled. Vapors or mists irritate or burn the: nose. throat. upper respiratory tract. May cause: respiratory irritation. bleeding of the nose and gums. sore throat. coughing. laryngeal spasms. difficulty breathing. shortness of breath. pulmonary edema. Prolonged exposure may cause: burns and ulcers to the nose and throat. dental erosions. Symptoms of exposure may be delayed by several hours.

**MURIATIC ACID 20 DEG.**  
**Product ID: AC002044**

**Ingestion:** CORROSIVE-Causes severe irritation and burns. Harmful or fatal if swallowed. Causes burns of the: mouth. throat. esophagus. stomach. Symptoms may include: difficulty swallowing. intense thirst. nausea. vomiting. diarrhea. stomach pain. circulatory collapse. Severe exposures may cause: collapse. death. Aspiration can result in severe lung damage or death.

**Indication of Immediate Medical Attention and Special Treatment Needed:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Not combustible. For fires in area use appropriate media. For example: Water spray. Carbon dioxide. Dry chemical. Foam.

**Specific Hazards Arising from the Chemical:**

**Fire and Explosion Hazards:** Product may react with some metals (ex.: Aluminum, Zinc, Tin, etc.) to release flammable hydrogen gas. Explosive concentrations of Hydrogen may accumulate inside metal equipment. Heat can cause evolution of gaseous Hydrogen Chloride.

**Hazardous Combustion Products:** Hydrogen Chloride gas. Hydrogen gas. Chlorine. Halogenated compounds.

**Special Protective Equipment and Precautions for Fire-Fighters:** Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors. Product generates heat upon addition of water, with possible spattering. Neutralize run-off with Lime, Soda Ash, etc., to prevent corrosion of metals and formation of Hydrogen gas. Run-off from fire control may cause pollution.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, Emergency Procedures:** CORROSIVE MATERIAL. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.

**Methods and Materials for Containment and Clean Up:** Shut off source of leak if safe to do so. Contain spill, place into drums for proper disposal. Flush remaining area with water and neutralize with Soda Ash or Lime and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Keep upwind of leak or spill. Adequate ventilation is required if soda ash or limestone is used, because of the consequent release of carbon dioxide gas. CAUTION: This product may react violently with alkalis and water.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. When diluting or preparing solutions, slowly add acid to water to avoid boiling and splattering.

**Conditions for Safe Storage, Including any Incompatibilities:** CORROSIVE MATERIAL. Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Highly corrosive to most metals with evolution of hydrogen gas. Store below 120 Deg. F.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**OSHA Exposure Guidelines:**

<u>Component</u>	<u>Limits</u>
Hydrogen Chloride	5 ppm Ceiling; 7 mg/m <sup>3</sup> Ceiling

**ACGIH Exposure Guidelines:**

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<b>Component</b>	<b>Limits</b>
Hydrogen Chloride	2 ppm Ceiling

**Engineering Controls:** General room ventilation and local exhaust are required. Process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits. Avoid creating dust or mist. Maintain adequate ventilation. Do not use in closed or confined spaces. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

**Individual Protection Measures:**

**Eye/Face Protection:** Wear chemical safety goggles and a full face shield while handling this product. Do not wear contact lenses.

**Skin Protection:** Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Acid-proof. Impervious. Chemical-resistant.

**Respiratory Protection:** Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded, wear: NIOSH-Approved air-purifying respirator with: Acid gas cartridge and HEPA filter. NIOSH-Approved Supplied Air Respirator (SAR). NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

**Other Protective Equipment:** Eye-wash station. Safety shower. Rubber apron. Rubber boots. Protective clothing. Full-rubber acid suit.

**General Hygiene Conditions:** Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** Clear. Colorless to faint yellow.

**Odor:** Sharp, pungent, irritating odor.

**Odor Threshold:** N.D.

**pH:** < 1

**Freezing Point (deg. F):** < -35

**Melting Point (deg. F):** N.D.

**Initial Boiling Point or Boiling Range:** 176 - 183 °F

**Flash Point:** NONE.

**Flash Point Method:** N.A.

**Evaporation Rate (nBuAc = 1):** N.D.

**Flammability (solid, gas):** N.D.

**Lower Explosion Limit:** N.A.

**Upper Explosion Limit:** N.A.

**Vapor Pressure (mm Hg):** 15-150

**Vapor Density (air=1):** 1.267

**Specific Gravity or Relative Density:** 1.16-1.18

**Solubility in Water:** Complete

**Partition Coefficient (n-octanol/water):** N.D.

**Autoignition Temperature:** N.A.

**Decomposition Temperature:** N.D.

**Viscosity:** N.D.

**% Volatile (wt%):** 100%

**VOC (wt%):** 0

**VOC (lbs/gal):** 0

**Fire Point:** N.D.

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**10. STABILITY AND REACTIVITY**

**Reactivity:** No data available.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur under normal conditions. Contact with water may cause violent reaction with evolution of heat. To dilute: Add product slowly to lukewarm water; not water to product. May react with certain metals to produce flammable hydrogen gas. Hazardous gases are evolved on contact with chemicals such as cyanides, sulfides, carbides, etc. Contact with oxidizing agents may produce chlorine gas. May react violently with incompatible substances, releasing large amounts of heat.

**Conditions to Avoid:** Avoid contact with water. Avoid heat, sparks or open flames. Avoid direct sunlight. Keep away from incompatibles.

**Incompatible Materials:** Most metals. Alkalies. Metal Oxides. Amines. Water-reactive substances. Sulfuric acid. Oleum. Acetic Anhydride. Carbonates. Cyanides. Sulfides. Hypochlorites. Sodium. Bases. Formaldehyde. Oxidizing agents. Reducing agents. Perchloric Acid. Potassium permanganate. Aldehydes. Epoxides. Fluorine. Acetylides. Carbides. Chlorosulfonic acid. Propylene oxide. Vinyl acetate. Hexalithium disilicide. Propiolactone. Nitrates. Alcohols. Water. Moisture. Strong acids.

**Hazardous Decomposition Products:** Hydrogen chloride gas. Hydrogen gas. Chlorine.

**11. TOXICOLOGICAL INFORMATION**

**Routes of Exposure:** Eyes. Ingestion. Inhalation. Skin.

**Symptoms/Effects: Acute, Delayed and Chronic:**

**Eye Contact:** CORROSIVE-Causes severe irritation and burns. Liquid or vapor may cause: severe irritation. pain. redness. watering. corneal opacity. burns. tissue destruction. permanent eye damage. blindness.

**Skin Contact:** CORROSIVE-Causes severe irritation and burns. Causes: pain. redness. blistering. swelling. skin damage. scarring. permanent skin damage. death. Mists may cause: irritation. burns.

**Skin Absorption:** No data available.

**Inhalation:** CORROSIVE-Causes severe irritation and burns. Harmful or fatal if inhaled. Vapors or mists irritate or burn the: nose. throat. upper respiratory tract. May cause: respiratory irritation. bleeding of the nose and gums. sore throat. coughing. choking. laryngeal spasms. difficulty breathing. shortness of breath. pulmonary edema. Prolonged exposure may cause: burns and ulcers to the nose and throat. dental erosions. Symptoms of exposure may be delayed by several hours.

**Ingestion:** CORROSIVE-Causes severe irritation and burns. Harmful or fatal if swallowed. Causes burns of the: mouth. throat. esophagus. stomach. Symptoms may include: difficulty swallowing. intense thirst. nausea. vomiting. diarrhea. stomach pain. circulatory collapse. Severe exposures may cause: collapse. death. Aspiration can result in severe lung damage or death.

**Numerical Measures of Toxicity:**

<u>Component</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Hydrogen Chloride	Rat: 238 - 277 mg/kg	Rabbit: > 5010 mg/kg	1H Rat: 4.7 mg/L

**Acute Toxicity Estimate (ATE):**

<b>Oral:</b>	317 mg/kg
<b>Inhalation Dust/Mist:</b>	4.7619 mg/L

**Cancer Information:**

This product contains 0.1% or more of the following chemicals listed by NTP, IARC or OSHA as known or possible carcinogens:

Acid mists, strong inorganic

**Medical Conditions Aggravated by Exposure to Product:** Eye disorders. Respiratory system disorders. Skin

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disorders.

Other: None known.

## 12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data available.

Chemical Fate Information: No data available.

## 13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: D002

Disposal Method: Dispose of in a permitted hazardous waste management facility following all local, state and federal regulations. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. TRANSPORT INFORMATION

DOT (Department of Transportation):

Identification Number: UN1789  
Proper Shipping Name: Hydrochloric Acid  
Hazard Class: 8  
Packing Group: II  
Label Required: CORROSIVE  
Reportable Quantity (RQ): 5000# (Hydrogen Chloride)

## 15. REGULATORY INFORMATION

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category Hazards:

<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>		<u>Reactive</u>		
Yes	Yes	No	No	No	Yes		
<u>Regulated Components:</u>	<u>CAS</u>	<u>CERCLA</u>	<u>SARA</u>	<u>SARA</u>	<u>U.S.</u>	<u>WI</u>	<u>Prop</u>
<u>Component</u>	<u>Number</u>	<u>RQ</u>	<u>EHS</u>	<u>313</u>	<u>HAP</u>	<u>HAP</u>	<u>65</u>
Hydrogen Chloride	7647-01-0	Yes	Yes	Yes	Yes	Yes	No

\*Prop 65 - May Contain the Following Trace Components:

None known.

Note: RQ, TPQ, Section 313 reporting requirements are dependent upon individual ingredients. Hydrogen Chloride (gas and aerosol forms only) is on the Extremely Hazardous Substance List. In liquid form, Hydrogen Chloride (Hydrochloric Acid) is not required to be reported as an Extremely Hazardous Substance, but is subject to SARA 311 and 312 reporting requirements. Hydrochloric Acid also appears on the Section 313 list; however, the listing only applies to the gas and aerosol forms of Hydrochloric Acid.

## 16. OTHER INFORMATION

Hazard Rating System

Health: 3\*  
Flammability: 0  
Reactivity: 1

**MURIATIC ACID 20 DEG.**

**Product ID: AC002044**

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\* = Chronic Health Hazard

**NFPA Rating System**

Health: 3  
Flammability: 0  
Reactivity: 1  
Special Hazard: None

**SDS Abbreviations**

N.A. = Not Applicable  
N.D. = Not Determined  
HAP = Hazardous Air Pollutant  
VOC = Volatile Organic Compound  
C = Ceiling Limit  
N.E./Not Estab. = Not Established

SDS Prepared by: csh

Reason for Revision: Changes made throughout the SDS. New format.

Revised: 04-18-2017

Replaces: 12-07-2015

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The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.





# SAFETY DATA SHEET SUPER SOLV

## 1. GENERAL INFORMATION

TRADE NAME (COMMON NAME OR SYNONYM) Super Solv		C.A.S. NO. N/A	
CHEMICAL NAME/DESCRIPTION Multi Purpose Cleaner & Degreaser			
Emergency telephone number: ChemTel: 1-800-255-3924		Contract Number MIS0003698	
ADDRESS (No., STREET, CITY, STATE, AND ZIP CODE) Wagner Supply Company 1349 W. 42 <sup>nd</sup> Street Odessa, TX 79764			
CONTACT Paul Wagner	PHONE NUMBER 1-800-825-0433	ISSUED DATE 1/15/2016	REVISED DATE 1/15/2016

## 2. GHS Classification

Signal Word: Warning

H315 Irritant



Skin: Category 3 Eyes: Category 3



### HAZARD IDENTIFICATION

HAZARD DATA RATING: 1 – Health, 3 – Fire, 0 – Reactivity  
0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Sever

#### GHS Hazard Statements

H303: May be harmful if Swallowed  
H313: May be harmful in contact with skin  
H320: Causes eye irritation  
H371: May cause danger to organs  
H402: Harmful to aquatic life

#### GHS Precautionary Statments

P102: Keep out of the reach of children  
P103: Read label before use  
P262: Do not get in eyes, on skin or clothing  
P273: Avod release to the environment  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P302+P352: IF ON SKIN: Wash with 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.  
P332+P313: If skin irritation occurs: Get medical advice/attention

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT/C.A.S. WT. %

CHEMICAL NAME	CAS #	CONCENTRATION (%)
Sodium Merasilicate Pentahydrate	CAS# 10213-79-3	<5.5
Ethylene Glycol Monobutyl Ether	CAS# 111-76-2	<8.5
Alcohols, C-9-C11	CAS# 68439-4	<1.5

#### **4. FIRST AID MEASURES**

**Eyes:** Hold the eyelids apart and flush the eye gently with large amounts of water for at least 15 minutes.

**Skin:** Flush skin with cool water. Wash the exposed area with plenty of soap and water.

**Inhalation:** Remove individual to fresh air and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

**Ingestion:** Have person drink a glass of water immediately if able to swallow. Get medical attention immediately. Do Not INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### **EFFECTS OF OVEREXPOSURE**

**Acute:** Skin: Prolonged contact may defat skin leading to irritation and dermatitis. Eyes: Causes irritation, loss on natural lubrication.

**Chronic:** Skin: repeated or prolonged skin contact would be expected to cause drying, cracking and inflammation of the skin. (dermatitis)

#### **5. FIRE-FIGHTING MEASURES**

**SPECIAL FIRE HAZARDS:** Use extinguishing media suitable for the surrounding fire.

**FIRE FIGHTING METHODS:** Use CO2 Foam or Dry Chemical

**FLASH POINT:** UNK.

**FLAMMABLE LIMITS – LOWER:** UNK      **UPPER:** UNK

#### **6. ACCIDENTAL RELEASE MEASURES**

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

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

##### **Environmental precautions**

Do not allow contact with soil, surface or ground water.

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

Stop leak if safe to do so. 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). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### **7. Handling and Storage**

##### **NORMAL HANDLING**

Use smallest amounts possible in designated areas with adequate ventilation. Keep containers closed when not in use. Empty containers may contain hazardous residue. Avoid generating mists. Transfer solutions using equipment which is corrosion resistant. Cautiously transfer into sturdy containers made of compatible materials. Never return contaminated material to its original container. Never add water to solution, always add solution to water and provide agitation.

##### **STORAGE**

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Protect from damage. Store away from incompatible materials. Avoid freezing.

## 8. Exposure Control/Personal Protective Equipment

**RESPIRATORY PROTECTION:** n/a

**EYES AND FACE:** Splashproof glasses recommended

**HANDS, ARMS AND BODY:** Rubber gloves recommended

**OTHER CLOTHING AND EQUIPMENT:** n/a

## 9. Physical Properties

MATERIAL IS (AT NORMAL CONDITIONS): Liquid	APPEARANCE AND ODOR Pink liquid with Solvent odor		
BOILING POINT 180 degrees	MELTING POINT NA	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) .885	VAPOR DENSITY (AIR = 1) 0.012
SOLUBILITY IN WATER (% by Weight) 100%	pH 1% = 10.5 to 11.5		VAPOR PRESSURE (mm Hg at 20°C) N/A
EVAPORATION RATE <input type="checkbox"/> (Butyl Acetate = 1) <input type="checkbox"/> (Ether = 1) <1 (Ether =1)	% VOLATILES BY VOLUME (At 20°C) 0		

## 10. Stability & Reactivity

**STABILITY:** Stable      **INCOMPATIBILITY:** None      **HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** None      **CONDITIONS TO AVOID:** None Known

## 11. TOXICOLOGICAL INFORMATION

**INFORMATION ON LIKELY ROUTES OF EXPOSURE:** Inhalation, Eye contact, Skin contact

### Potential Health Effects

**Eyes:** Causes irritation, loss of natural lubrication. **Skin:** Causes skin irritation **Ingestion:** May be harmful if swallowed  
**Inhalation:** Under normal conditions, vapor level will be too low to present inhalation hazard.

### Experience with human exposure

**Eyes:** Flush eyes immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes holding eye lids open.

**Skin:** Flush skin with plenty of cool running water. Wash thoroughly with soap and water.

**If Swallowed:** Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**If Inhaled:** Move immediately to fresh air; If breathing is difficult, administer oxygen.

## 12. Ecological and Aquatic Toxicity

**BIODEGRADABILITY/AQUATIC TOXICITY:** No known Aquatic Toxicity or Ecotoxicological effects.

**OCTANOL/WATER PARTITION COEFFICIENT:** n/a

**EPA HAZARDOUS SUBSTANCE?** No      **IF SO, REPORTABLE QUANTITY:** 40 CFR 116-117

## 13. Disposal

### WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.)

Dispose of waste material at an approved waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of with normal garbage or to sewer systems.

## 14. Transportation

D.O.T. CLASSIFICATION: Not Regulated by D.O.T.

15. Regulatory

**EPCRA- Emergency Planing and Community Right-to-Know**

**CERCLA Reportable Quantity:** This material does mnot contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity:** This material does not contain ay components with a section 304 EHS RQ.

**SECTION 313 (Specific toxic chemical listings):** None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):** All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

16. Other

	NFPA	HMIS
HEALTH	3	3
FLAMMABILITY	0	0
REACTIVITY	0	0
SPECIAL HAZARDS		
PROTECTIVE EQUIPMENT		

THE DATA PRESENTED HEREIN ARE BELIEVED TO BE ACCURATE BUT ARE IN NO WAY GUARANTEED. Royal Custom Products. ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE FOR THE PRODUCTS DISCUSSED AND IT MAKES NO WARRANTY, EXPRESS OR IMPLIED, IN THAT RESPECT, NOR CAN IT BE ASSUMED THAT ALL SAFETY MEASURES ARE INDICATED HEREIN OR THAT OTHER OR ADDITIONAL MEASURES MAY BE REQUIRED. THE USER, THEREFORE, MUST ASSUME FULL RESPONSIBILITY, BOTH AS TO PERSONS AND AS TO PROPERTY, FOR THE USE OF THESE MATERIALS INCLUDING ANY USE WHICH MIGHT BE COVERED BY PATENT.

ROYAL CUSTOM PRODUCT CODE(S): RP-SUPER SOLV

**MATERIAL SAFETY DATA SHEET**

MSDS

**BioGuard DPD #3 Tablets**

Date-Issued:07/31/1997  
 MSDS Ref. No:BBIO26228  
 Date-Revised:08/01/1997  
 Revision No:1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** BioGuard DPD #3 Tablets  
**GENERAL USE:** Water Analysis

**MANUFACTURER**

Bio-Lab, Inc.  
 BioGuard  
 P.O. Box 1489  
 Decatur, GA 30031  
**Customer SERVICE:** 800-859-7946

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC (Transportation)** (800) 424-9300  
**Poison Control Center (Medical)** 877-800-5553

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Potassium iodide	7681-11-0	<40

**COMMENTS:** All other ingredients are proprietary NJTSRN 80100291-5062p.

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Small white tablet

**IMMEDIATE CONCERNS:** As part of good personal hygiene and safety procedures, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause eye irritation. Avoid contact with eyes.

**SKIN:** May cause skin irritation. Avoid contact with skin.

**INGESTION:** May be harmful if swallowed.

**INHALATION:** This product is not expected to present an inhalation hazard.

**CHRONIC:** There are no known chronic hazards.

**ROUTES OF ENTRY:** Ingestion

**4. FIRST AID MEASURES**

**EYES:** If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

**SKIN:** If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

**INGESTION:** If swallowed: Drink large amounts of water. Avoid Alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

**INHALATION:** Not an expected route of overexposure.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** Not Applicable

**GENERAL HAZARD:** There are no unusual fire and explosion hazards known.

**EXTINGUISHING MEDIA:** Appropriate to surrounding fire.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Sweep up, dissolve in water and flush down drain with excess water. Dispose of according to federal, state and local regulations.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid contact with eyes, skin or clothing.

**HANDLING:** Use safe chemical handling procedures for the hazards presented by this material.

**STORAGE:** Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Potassium iodide

	EXPOSURE LIMITS					
	OSHA PEL		ACGIH TLV		SUPPLIER OEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
TWA	N/E <sup>[1]</sup>		N/E			

### OSHA TABLE COMMENTS:

1. N/E = Not Established

**ENGINEERING CONTROLS:** General room ventilation plus local exhaust should be used to minimize exposure to dust/vapors.

### PERSONAL PROTECTIVE EQUIPMENT:

**EYES AND FACE:** Use of safety glasses with side shields is recommended, if conditions warrant.

**SKIN:** No special requirement.

**RESPIRATORY:** None required.

**WORK HYGIENIC PRACTICES:** If product gets on clothing, remove and wash before reuse.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** None

**APPEARANCE:** Small Tablet

**COLOR:** White

**pH:** 7(1 tablet in 10 ml water)

**SOLUBILITY IN WATER:** Soluble

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Heat, moisture.

**STABILITY:** This product is stable under normal conditions.

**POLYMERIZATION:** Hazardous polymerization will not occur under normal conditions.

**INCOMPATIBLE MATERIALS:** Other swimming pool/spa chemicals in their concentrated forms. Oxidizing compounds.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:**

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

**13. DISPOSAL CONSIDERATIONS**

**PRODUCT DISPOSAL:** Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**  
**PROPER SHIPPING NAME:** Not Regulated.

**15. REGULATORY INFORMATION**

**UNITED STATES**

**OSHA HAZARD COMM. RULE:** Product is not hazardous by definition of the Hazardous Communication Standard.

**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** This product is not a registered pesticide.

**16. OTHER INFORMATION**

**REVISION SUMMARY** Revision #: 2

This MSDS replaces the August 01, 1997 MSDS. Any changes in information are as follows:

**HMIS RATING**

<b>HEALTH:</b>		0
<b>FLAMMABILITY:</b>		0
<b>PHYSICAL HAZARD:</b>		0
<b>PERSONAL PROTECTION:</b>		A

**NFPA RATING**

<b>HEALTH:</b>	0
<b>FIRE:</b>	0
<b>REACTIVITY:</b>	0

**Key**

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

**MANUFACTURER DISCLAIMER: IMPORTANT:** This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

BLC-5-GL

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Pure Bright Germicidal Ultra Bleach

**Other means of identification**

**Product UPC** 59647-21014  
**Product Code** 11008635041

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

**Recommended Use** Disinfectant. Cleaning agent. Chlorine-based bleaching agents.  
**Uses advised against** Do not mix with other chemicals

**Details of the supplier of the safety data sheet**

**Manufacturer Address**  
KIK International LLC  
33 Macintosh Blvd.  
Concord, Ontario  
Canada L4K 4L5  
1-800-479-6603

**Emergency telephone number**

**Emergency Telephone** Poison Control Center (Medical) : (866) 366-5048  
Chemtel (Transportation) 1-888-255-3924

## 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 1

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Causes skin irritation  
Causes serious eye damage



**Color** light yellow

**Physical state** liquid

**Odor** Chlorine

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling



Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

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 POISON CENTER or doctor/physician

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

**Precautionary Statements - Storage**

Keep out of reach of children. Store in a well-ventilated place. Store in a closed container. Protect from sunlight.

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical Name	CAS No.	Weight-%
Sodium hypochlorite	7681-52-9	5-7*

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

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
<b>Skin contact</b>	Wash skin with soap and water. If symptoms persist, call a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

**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. Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**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** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** 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.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. 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.

**Incompatible materials** Acids, Ammonia.

**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 Controls** Showers  
Eyewash stations  
Ventilation systems.

**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 gloves and protective clothing.

**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** 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>	Chlorine
<b>Appearance</b>	clear, light yellow	<b>Odor threshold</b>	No information available
<b>Color</b>	light yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	12.0 - 12.5	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	~1.08	
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	
Density	No information available	
Bulk density	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 (%)	No information available

**10. STABILITY AND REACTIVITY**

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Do not mix with other chemicals. Extremes of temperature and direct sunlight.

Incompatible materials

Acids, Ammonia.

Hazardous Decomposition Products

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

**Inhalation** Inhalation of vapors in high concentration may cause irritation of respiratory system.  
**Eye contact** Avoid contact with eyes. May cause burns.  
**Skin contact** Avoid contact with skin. May cause irritation.  
**Ingestion** May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8200 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	-

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** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

*IARC (International Agency for Research on Cancer)  
 Not classifiable as a human carcinogen*

**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

**12. ECOLOGICAL INFORMATION**

Ecotoxicity

Very toxic to aquatic life with long lasting effects

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h Skeletonema costatum mg/L EC50	0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static	0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static 2.1: 96 h Daphnia magna mg/L EC50

Persistence and degradability  
 No information available.

Bioaccumulation

No information available.

**Mobility**

No information available.

**Other adverse effects**

No information available

**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**

Do not reuse container. Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated

**IATA**

UN/ID no.

3082

Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)

Hazard Class

9

Packing Group

III

Description

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III

**IMDG**

UN/ID no.

3082

Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)

Hazard Class

9

Packing Group

III

Description

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III

Marine pollutant

This material meets the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA

Complies

DSL/NDSL

Complies

**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**

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 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
Sodium hypochlorite 7681-52-9	100 lb	-	-	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	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

**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
Sodium hypochlorite 7681-52-9	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number 70271-13

**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:

**Difference between SDS and EPA Pesticide label**

**DANGER:** Corrosive. May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses and rubber gloves when handling this product. Wash after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 2	Flammability 0	Instability 1	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2	Flammability 0	Physical hazards 1	Personal protection B

Prepared By Regulatory Affairs  
 Revision Date 14-Apr-2015  
 Revision Note No information available

**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

CLA - C810

# SAFETY DATA SHEET

## 1. Identification

**Product number** 1000010459  
**Product identifier** 18 OZ CLAIRE VANDALISM SPRAY LB 12PK  
**Company information** CLAIRE MANUFACTURING COMPANY  
 1005 S. WESTGATE DRIVE  
 ADDISON, IL 60101 United States  
**Company phone** General Assistance 800-252-4731  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 01  
**Recommended use** CLEANER  
**Recommended restrictions** None known.

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Skin corrosion/irritation Category 2  
 Carcinogenicity Category 2  
 Reproductive toxicity (the unborn child) Category 2  
 Specific target organ toxicity, repeated exposure Category 2  
 Aspiration hazard Category 1  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Suspected of causing cancer. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

### Precautionary statement

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/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. Do not breathe gas. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage** Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3  
 Hazardous to the aquatic environment, long-term hazard Category 3

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.



### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methylene Chloride		75-09-2	40 - 60
Isobutane		75-28-5	20 - 40
Toluene		108-88-3	10 - 20
Perchloroethylene		127-18-4	2.5 - 10
Propane		74-98-6	2.5 - 10
Cocoyl Diethanolamide		68603-42-9	1 - 2.5
Diethanolamine		111-42-2	0.1 - 1
Other components below reportable levels			0.1 - 1

\*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>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Nausea. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. 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. Show this safety data sheet to the doctor in attendance.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Foam. Powder. Carbon dioxide (CO <sub>2</sub> ).
<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>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	Extremely flammable aerosol.

#### 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. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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**Methods and materials for containment and cleaning up**

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

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

Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Components	Type	Value
Methylene Chloride (CAS 75-09-2)	STEL	125 ppm
	TWA	25 ppm

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value
Perchloroethylene (CAS 127-18-4)	Ceiling	200 ppm
	TWA	100 ppm
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Diethanolamine (CAS 111-42-2)	TWA	1 mg/m3	Inhalable fraction and vapor.
Isobutane (CAS 75-28-5)	STEL	1000 ppm	
Methylene Chloride (CAS 75-09-2)	TWA	50 ppm	
Perchloroethylene (CAS 127-18-4)	STEL	100 ppm	
	TWA	25 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Diethanolamine (CAS 111-42-2)	TWA	15 mg/m <sup>3</sup>
Isobutane (CAS 75-28-5)	TWA	3 ppm
		1900 mg/m <sup>3</sup>
Propane (CAS 74-98-6)	TWA	800 ppm
		1800 mg/m <sup>3</sup>
Toluene (CAS 108-88-3)	STEL	1000 ppm
		560 mg/m <sup>3</sup>
		150 ppm
	TWA	375 mg/m <sup>3</sup>
		100 ppm

**Biological limit values**

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Methylene Chloride (CAS 75-09-2)	0.3 mg/l	Dichloromethane	Urine	*
Perchloroethylene (CAS 127-18-4)	0.5 mg/l	Tetrachloroethylene	Blood	*
	3 ppm	Tetrachloroethylene	End-exhaled air	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

\* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**

Diethanolamine (CAS 111-42-2) Can be absorbed through the skin.  
 Toluene (CAS 108-88-3) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Perchloroethylene (CAS 127-18-4) Skin designation applies.  
 Toluene (CAS 108-88-3) Skin designation applies.

**US ACGIH Threshold Limit Values: Skin designation**

Diethanolamine (CAS 111-42-2) Can be absorbed through the skin.

**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. Eye wash facilities and emergency shower must be available when handling this product.

**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. Suitable gloves can be recommended by the glove supplier.

**Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. 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**

**Appearance**

**Physical state** Gas.

<b>Form</b>	Aerosol.
<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	-156.0 °F (-104.4 °C) PROPELLANT estimated
<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>	9.2 % estimated
<b>Flammability limit - upper (%)</b>	16.2 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<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>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.
<b>Specific gravity</b>	0.463 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>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
<b>Hazardous decomposition products</b>	Hydrogen chloride.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause damage to organs through prolonged or repeated exposure by inhalation.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Nausea. Skin irritation. May cause redness and pain.

**Information on toxicological effects****Acute toxicity** May be fatal if swallowed and enters airways.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Diethanolamine (CAS 111-42-2)		
<u>Acute</u>		
<b>Oral</b>		
LD50	Rat	1100 mg/kg
Isobutane (CAS 75-28-5)		
<u>Acute</u>		
<b>Inhalation</b>		
LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l
Methylene Chloride (CAS 75-09-2)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg, Days
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Mouse	49000 mg/m3, 7 Hours
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
Perchloroethylene (CAS 127-18-4)		
<u>Acute</u>		
<b>Inhalation</b>		
LC50	Dog; Mouse; Rabbit; Rat	3000 ppm
<b>Oral</b>		
LD50	Cat; Dog; Mouse; Rabbit; Rat	> 1500 mg/kg
	Rat	3005 mg/kg
Propane (CAS 74-98-6)		
<u>Acute</u>		
<b>Inhalation</b>		
LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l 658 mg/l/4h
Toluene (CAS 108-88-3)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Mouse	6405 - 7436 ppm, 6 Hours 5320 ppm, 8 Hours
	Rat	5879 - 6281 ppm, 6 Hours 25.7 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin 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>	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>	Suspected of causing cancer.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Cocoyl Diethanolamide (CAS 68603-42-9)	2B Possibly carcinogenic to humans.
Diethanolamine (CAS 111-42-2)	2B Possibly carcinogenic to humans.
Methylene Chloride (CAS 75-09-2)	2A Probably carcinogenic to humans.
Perchloroethylene (CAS 127-18-4)	2A Probably carcinogenic to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Methylene Chloride (CAS 75-09-2)	Cancer
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	
Methylene Chloride (CAS 75-09-2)	Reasonably Anticipated to be a Human Carcinogen.
Perchloroethylene (CAS 127-18-4)	Reasonably Anticipated to be a Human Carcinogen.
<b>Reproductive toxicity</b>	Suspected of damaging the unborn child.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Respiratory system. Skin. Kidneys. Central nervous system. Eyes. Liver. May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
<b>Diethanolamine (CAS 111-42-2)</b>		
<b>Aquatic</b>		
Algae	IC50	Algae 7.8 mg/L, 72 Hours
Crustacea	EC50	Daphnia 55 mg/L, 48 Hours
Fish	LC50	Fathead minnow (Pimephales promelas) 100 mg/l, 96 hours
<b>Methylene Chloride (CAS 75-09-2)</b>		
<b>Aquatic</b>		
Algae	IC50	Algae 500.0001 mg/L, 72 Hours
Crustacea	EC50	Daphnia 1689.5 mg/L, 48 Hours
		Water flea (Daphnia magna) 1250 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 140.8 - 277.8 mg/l, 96 hours
<b>Perchloroethylene (CAS 127-18-4)</b>		
<b>Aquatic</b>		
Crustacea	EC50	Daphnia 7.55 mg/L, 48 Hours
		Water flea (Daphnia magna) 6.1 - 9 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss) 4.82 mg/l, 96 hours
<b>Toluene (CAS 108-88-3)</b>		
<b>Aquatic</b>		
Algae	IC50	Algae 433.0001 mg/L, 72 Hours
Crustacea	EC50	Daphnia 7.645 mg/L, 48 Hours
		Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours

Components	Species	Test Results
Fish	LC50 Coho salmon, silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Diethanolamine	-1.43
Isobutane	2.76
Methylene Chloride	1.25
Perchloroethylene	3.4
Propane	2.36
Toluene	2.73

**Mobility in soil** No data available.

**Other adverse effects** 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. Contents under pressure. Do not puncture, incinerate or crush. 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>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

**14. Transport information**

**DOT**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, (each not exceeding 1 L capacity)
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	N82
<b>Packaging exceptions</b>	306
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**IATA**

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.

<b>Environmental hazards</b>	No.
<b>ERG Code</b>	10L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.
<b>Packaging Exceptions</b>	LTD QTY
<b>IMDG</b>	
<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-D, S-U
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
<b>Packaging Exceptions</b>	LTD QTY
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
<b>DOT</b>	



IATA; IMDG



## 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)

Diethanolamine (CAS 111-42-2)	Listed.
Methylene Chloride (CAS 75-09-2)	Listed.
Perchloroethylene (CAS 127-18-4)	Listed.
Toluene (CAS 108-88-3)	Listed.



**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Methylene Chloride (CAS 75-09-2)

Cancer  
Heart  
Central nervous system  
Liver  
Skin irritation  
Eye irritation

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

**Hazard categories**

Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - Yes  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Methylene Chloride	75-09-2	40 - 60
Toluene	108-88-3	10 - 20
Perchloroethylene	127-18-4	2.5 - 10
Diethanolamine	111-42-2	0.1 - 1

**Other federal regulations**

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

Diethanolamine (CAS 111-42-2)  
Methylene Chloride (CAS 75-09-2)  
Perchloroethylene (CAS 127-18-4)  
Toluene (CAS 108-88-3)

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

Isobutane (CAS 75-28-5)  
Propane (CAS 74-98-6)

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

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Toluene (CAS 108-88-3) 6594

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Toluene (CAS 108-88-3) 35 %VV

**DEA Exempt Chemical Mixtures Code Number**

Toluene (CAS 108-88-3) 594

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Cocoyl Diethanolamide (CAS 68603-42-9)  
Diethanolamine (CAS 111-42-2)  
Isobutane (CAS 75-28-5)  
Methylene Chloride (CAS 75-09-2)  
Perchloroethylene (CAS 127-18-4)  
Toluene (CAS 108-88-3)

**US. Massachusetts RTK - Substance List**

Diethanolamine (CAS 111-42-2)  
Isobutane (CAS 75-28-5)  
Methylene Chloride (CAS 75-09-2)  
Perchloroethylene (CAS 127-18-4)

Propane (CAS 74-98-6)  
Toluene (CAS 108-88-3)

#### US. New Jersey Worker and Community Right-to-Know Act

Diethanolamine (CAS 111-42-2)  
Isobutane (CAS 75-28-5)  
Methylene Chloride (CAS 75-09-2)  
Perchloroethylene (CAS 127-18-4)  
Propane (CAS 74-98-6)  
Toluene (CAS 108-88-3)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Diethanolamine (CAS 111-42-2)  
Isobutane (CAS 75-28-5)  
Methylene Chloride (CAS 75-09-2)  
Perchloroethylene (CAS 127-18-4)  
Propane (CAS 74-98-6)  
Toluene (CAS 108-88-3)

#### US. Rhode Island RTK

Diethanolamine (CAS 111-42-2)  
Isobutane (CAS 75-28-5)  
Methylene Chloride (CAS 75-09-2)  
Perchloroethylene (CAS 127-18-4)  
Propane (CAS 74-98-6)  
Toluene (CAS 108-88-3)

#### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

##### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Carbon Tetrachloride (CAS 56-23-5)	Listed: October 1, 1987
Diethanolamine (CAS 111-42-2)	Listed: June 22, 2012
Methylene Chloride (CAS 75-09-2)	Listed: April 1, 1988
Perchloroethylene (CAS 127-18-4)	Listed: April 1, 1988
Propylene Oxide (CAS 75-56-9)	Listed: October 1, 1988

##### US - California Proposition 65 - CRT: Listed date/Developmental toxin

Toluene (CAS 108-88-3)	Listed: January 1, 1991
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#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
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	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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 04-15-2016  
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.

**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.



# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** TROPIC BREEZE AIR FRESHENER & DEODORIZER

**Other means of identification**

**SDS number:** RE1000012133

**Recommended restrictions**

**Product use:** Air Freshener

**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

Specific Target Organ Toxicity -  
Single Exposure Category 3<sup>1</sup>

**Target Organs**

1. Narcotic effect.

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:** Extremely flammable aerosol.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

**Precautionary Statements**



- Prevention:** 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. Use only outdoors or in a well-ventilated area.
- Response:** 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. Call a POISON CENTER/doctor if you feel unwell.
- Storage:** 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.
- Disposal:** 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.
- Hazard(s) not otherwise classified (HNOC):** None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	CAS number	Content in percent (%)*
2-Propanone	67-64-1	50 - <100%
Propane	74-98-6	10 - <20%
Butane	106-97-8	10 - <20%
Benzoic acid, phenylmethyl ester	120-51-4	1 - <5%
Terpenes and Terpenoids, grapefruit-oil	68917-32-8	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

- Ingestion:** Rinse mouth thoroughly.
- Inhalation:** Move to fresh air.
- Skin Contact:** Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
- Eye contact:** 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

- Symptoms:** No data available.
- Hazards:** No data available.

#### Indication of immediate medical attention and special treatment needed

- Treatment:** No data available.



## 5. Fire-fighting measures

**General Fire Hazards:** 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.

### 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.

**Specific hazards arising from the chemical:** Vapors may travel considerable distance to a source of ignition and flash back.

### 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

**Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

**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.

## 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.

**Conditions for safe storage, including any incompatibilities:** 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
2-Propanone	STEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	PEL	1,000 ppm 2,400 mg/m3	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/m3	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/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Propane	REL	1,000 ppm 1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Butane	REL	800 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (03 2018)
	TWA	800 ppm 1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (2008)
	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

**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:** No data available.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke.



## 9. Physical and chemical properties

### Appearance

Physical state:	liquid
Form:	Spray Aerosol
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	-104.44 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	4,136.8544 - 4,826.3301 hPa (20 °C)
Vapor density:	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

## 10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	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.
Specified substance(s): 2-Propanone	LD 50 (Rat): 5,800 mg/kg
Benzoic acid, phenylmethyl ester	LD 50 (Rat): > 2,000 mg/kg
Terpenes and Terpenoids, grapefruit-oil	LD 50: > 2,000 mg/kg

##### Dermal

Product:	Not classified for acute toxicity based on available data.
Specified substance(s): 2-Propanone	LD 50 (Rabbit): > 7,426 mg/kg
Benzoic acid, phenylmethyl ester	LD 50: > 2,000 mg/kg
Terpenes and Terpenoids, grapefruit-oil	LD 50: > 2,000 mg/kg

##### Inhalation

Product:	Not classified for acute toxicity based on available data.
Specified substance(s): 2-Propanone	LC 50 (Rat): 50.1 mg/l LC 50: > 5 mg/l
Propane	LC 50: > 100 mg/l LC 50: > 100 mg/l
Butane	LC 50: > 100 mg/l LC 50: > 100 mg/l



Benzoic acid,  
phenylmethyl ester LC 50: > 20 mg/l  
LC 50: > 5 mg/l

Terpenes and  
Terpenoids, grapefruit-oil LC 50: > 5 mg/l  
LC 50: > 20 mg/l

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s):**

2-Propanone NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental result, Key study

Propane NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study  
LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study

Butane LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study  
NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study

Benzoic acid,  
phenylmethyl ester NOAEL (Rat(Female, Male), Dermal, 4 Weeks): 781 mg/kg Dermal Experimental result, Key study

**Skin Corrosion/Irritation**

**Product:** No data available.

**Specified substance(s):**

2-Propanone in vivo (Rabbit): Not irritant Experimental result, Supporting study

Benzoic acid,  
phenylmethyl ester in vivo (Rabbit): Not irritant Experimental result, Key study

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Specified substance(s):**

2-Propanone Irritating.  
Rabbit, 24 hrs: Minimum grade of severe eye irritant

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Specified substance(s):**

2-Propanone Skin sensitization:, in vivo (Guinea pig): Non sensitising

**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.



<b>In vivo</b>	
<b>Product:</b>	No data available.
<b>Reproductive toxicity</b>	
<b>Product:</b>	No data available.
<b>Specific Target Organ Toxicity - Single Exposure</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
2-Propanone	Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	
<b>Product:</b>	No data available.
<b>Target Organs</b>	
Specific Target Organ Toxicity - Single Exposure:	Narcotic effect.
<b>Aspiration Hazard</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Terpenes and Terpenoids, grapefruit-oil	May be fatal if swallowed and enters airways.
<b>Other effects:</b>	No data available.

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
2-Propanone	LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study
Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Butane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Benzoic acid, phenylmethyl ester	LC 50 (Danio rerio, 96 h): 2.32 mg/l Experimental result, Key study

##### Aquatic Invertebrates

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
2-Propanone	LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study
Butane	LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
Benzoic acid, phenylmethyl ester	LC 50 (Daphnia magna, 48 h): 7.77 mg/l Experimental result, Key study NOAEL (Daphnia magna, 48 h): 1.73 mg/l Experimental result, Key study

#### Chronic hazards to the aquatic environment:

##### Fish

<b>Product:</b>	No data available.
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**Aquatic Invertebrates**

**Product:** No data available.  
**Specified substance(s):**  
2-Propanone LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study  
NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study  
  
Benzoic acid, phenylmethyl ester NOAEL (Daphnia magna): 0.258 mg/l Experimental result, Key study  
LOAEL (Daphnia magna): 0.455 mg/l Experimental result, Key study

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.  
**Specified substance(s):**  
2-Propanone 90.9 % (28 d) Detected in water. Experimental result, Key study  
  
Propane 100 % (385.5 h) Detected in water. Experimental result, Key study  
50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study  
  
Butane 100 % (385.5 h) Detected in water. Experimental result, Key study  
  
Benzoic acid, phenylmethyl ester 94 % (28 d) Detected in water. Experimental result, Key study

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.  
**Specified substance(s):**  
2-Propanone Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment  
Experimental result, Not specified  
  
Benzoic acid, phenylmethyl ester Bioconcentration Factor (BCF): 193.4 Aquatic sediment QSAR, Key study

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

2-Propanone No data available.  
Propane No data available.  
Butane No data available.  
Benzoic acid, phenylmethyl ester No data available.  
Terpenes and Terpenoids, grapefruit-oil No data available.

**Other adverse effects:** No data available.

**13. Disposal considerations**

**Disposal instructions:** Wash before disposal. Dispose to controlled facilities.

**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.: -  
Packing Group: -  
  
Environmental Hazards: No  
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: No  
Marine Pollutant: No  
  
Special precautions for user: Not regulated.

**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>
2-Propanone	lbs. 5000
Propane	lbs. 100
Butane	lbs. 100
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	lbs. 1000



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

**Hazard categories**

- Fire Hazard
- Immediate (Acute) Health Hazards
- Flammable aerosol
- Serious Eye Damage/Eye Irritation
- Specific Target Organ Toxicity - Single Exposure

**SARA 302 Extremely Hazardous Substance**

<u>Chemical Identity</u>	<u>Reportable quantity</u>	<u>Threshold Planning Quantity</u>
2-Propanone		

**SARA 304 Emergency Release Notification**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
2-Propanone	lbs. 5000
Propane	lbs. 100
Butane	lbs. 100
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	lbs. 1000

**SARA 311/312 Hazardous Chemical**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
2-Propanone	10000 lbs
Propane	10000 lbs
Butane	10000 lbs
Benzoic acid, phenylmethyl ester	10000 lbs
Terpenes and Terpenoids, grapefruit-oil	10000 lbs
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	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

- 2-Propanone
- Propane
- Butane

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

Chemical Identity

- 2-Propanone
- Propane
- Butane

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable



**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

**Inventory Status:**

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or 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:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or 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:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

**16. Other information, including date of preparation or last revision**

**Issue Date:** 10/29/2019

**Revision Information:** No data available.

**Version #:** 1.0

**Further Information:** No data available.

**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.

DVO-4277285

**SAFETY DATA SHEET**



**Oxivir Tb (US)**

Version Number: 2

Preparation date: 2015-03-04

**1. IDENTIFICATION**

**Product name:** Oxivir Tb (US)  
**Product Code:** 4277285, 100898636, 5768705  
**SDS #:** MS0800255  
**Recommended use:**

- Disinfectant / Deodorizer / Sanitizer
- This product is intended to be used neat.

**Uses advised against:** Uses other than those identified are not recommended

**Manufacturer, Importer, supplier:**  
 US Headquarters  
 Diversey, Inc.  
 P.O. Box 19747  
 Charlotte, NC 28219-0747  
 Phone: 1-888-352-2249  
 SDS Internet Address: <https://sds.sealedair.com>

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

**2. HAZARDS IDENTIFICATION**

**Classification for the undiluted product**

This product is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Precautionary Statements

**Health hazards not otherwise classified (HHNOC)** - Not applicable  
**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ RTU**

This product is intended to be used neat.

Precautionary Statements

See undiluted product information above.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

None of the components of this product are classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Ingredient(s)	CAS #	Weight %
Benzyl alcohol	100-51-6	3% - < 5%
Hydrogen peroxide	7722-84-1	> 0.1% - < 1%





Potassium hydroxide	1310-58-3	> 0.1% - < 1%
Dodecylbenzene sulfonic acid	68584-22-5	> 0.1% - < 1%

\*Exact percentages are being withheld as trade secret information

#### 4. FIRST AID MEASURES

##### Undiluted Product:

**Eyes:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** Rinse mouth with water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** None known.

##### Diluted Product:

This product is intended to be used neat.

**Eyes:** See undiluted product information above.

**Skin:** See undiluted product information above.

**Inhalation:** See undiluted product information above.

**Ingestion:** See undiluted product information above.

#### 5. FIRE-FIGHTING MEASURES

**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.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

No information available.

**Environmental precautions**

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.

**and clean-up methods:**

#### 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Aerosol Level (If applicable):** Not applicable

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Benzyl alcohol	100-51-6	-	-
Potassium hydroxide	1310-58-3	2 mg/m <sup>3</sup> (Ceiling)	-
Dodecylbenzene sulfonic acid	68584-22-5	-	-

##### Undiluted Product:

**Engineering measures to reduce exposure:**

No special ventilation requirements

##### Personal Protective Equipment

**Eye protection:**

No special requirements under normal use conditions.

**Hand protection:**

No special requirements under normal use conditions.

**Skin and body protection:**

No special requirements under normal use conditions.

**Respiratory protection:**  
**Hygiene measures:**

No special requirements under normal use conditions.  
Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

This product is intended to be used neat.

**Personal Protective Equipment**

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**

<b>Physical State:</b> Liquid	<b>Color:</b> Clear, Colorless
<b>Evaporation Rate:</b> No information available	<b>Odor:</b> Cherry Almond Surfactant
<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> 1.01
<b>Density:</b> 8.42 lbs/gal 1.01 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>Dilution Flash Point:</b> > 200 °F > 93,3 °C	<b>Viscosity:</b> No information available
<b>Elemental Phosphorus:</b> 0.12 % by wt.	<b>VOC:</b> 0.0 % *
<b>pH:</b> 3	<b>VOC % by wt. at use dilution</b> 0 % *
<b>Dilution pH:</b> 3 @ RTU	<b>Flammability (Solid or Gas):</b> Not applicable
<b>Metal Corrosion:</b> Not determined	
<b>Explosion limits:</b> - upper: Not determined - lower: Not determined	

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

**10. STABILITY AND REACTIVITY**

<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.

**11. TOXICOLOGICAL INFORMATION**

**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:** May be mildly irritating to skin. Symptoms may include redness and/or transient discomfort.

**Eye contact:** May be mildly irritating to eyes.

**Ingestion:** No information available.

**Inhalation:** No information available.

**Sensitization:** No known effects.

**Target Organs (SE):** None known

**Target Organs (RE):** None known

**Numerical measures of toxicity**

<b>ATE - Oral (mg/kg):</b>	>5000
<b>ATE - Dermal (mg/kg):</b>	>5000
<b>ATE - Inhalatory, mists (mg/l):</b>	>20
<b>ATE - Inhalatory, vapors (mg/l):</b>	>50

## 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:** The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** Not Regulated

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** DISINFECTANTS

**IMDG (Ocean) Bill of Lading Description:** DISINFECTANTS

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA).

### U.S. Regulations

**EPA Reg. No. :** 70627-56

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.

**ENVIRONMENTAL HAZARDS:** This product is toxic to birds, fish and aquatic invertebrates. Caution should be used when applying indoors because pets may be at risk.

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

### RIGHT TO KNOW (RTK)

### CERCLA/ SARA

#### SARA 311/312 Hazard Categories

<b>Immediate:</b>	-
<b>Delayed:</b>	-
<b>Fire:</b>	-
<b>Reactivity:</b>	-
<b>Sudden Release of Pressure:</b>	-

### Canadian Regulations

## 16. OTHER INFORMATION

### NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 1  
Flammability 0  
Instability 0

Version Number: 2  
Preparation date: 2015-03-04

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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DRK-94903

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**OFF!® DEEP WOODS® INSECT REPELLENT V**

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000004807

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

**Product name** : OFF!® DEEP WOODS® INSECT REPELLENT V

**Recommended use** : Insect Repellent

**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
Aerosol	Category 1	Extremely flammable aerosol.
Gases under pressure	Liquefied gas	Contains gas under pressure; may explode if heated.

**Labelling**

**Hazard symbols**

Flame  
Gas cylinder

**Signal word**

Danger

**Hazard statements**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.

**Precautionary statements**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
Protect from sunlight. Store in a well-ventilated place.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# OFF!® DEEP WOODS® INSECT REPELLENT V

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**Other hazards** : None identified

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Ethyl alcohol	64-17-5	30.00 - 60.00
N,N-Diethyl-m-toluamide	134-62-3	10.00 - 30.00
Butane	106-97-8	1.00 - 5.00
Propane	74-98-6	1.00 - 5.00
Isobutane	75-28-5	1.00 - 5.00

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** : If you suspect a reaction to this product, discontinue use and remove contaminated clothing.
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Aerosol Product - Containers may rocket or explode in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Further information** : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**OFF!® DEEP WOODS® INSECT REPELLENT V**

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self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

**NFPA Classification** : NFPA Level 2 Aerosol

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**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Remove all sources of ignition.  
Wear personal protective equipment.  
Wash thoroughly after handling.
- Environmental precautions** : Do not flush into surface water or sanitary sewer system.  
Use appropriate containment to avoid environmental contamination.  
Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : If damage occurs to aerosol can:  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Use only non-sparking equipment.  
Dike large spills.  
Clean residue from spill site.

---

**7. HANDLING AND STORAGE**

- Handling**
- Precautions for safe handling** : Avoid contact with eyes and lips.  
For personal protection see section 8.  
Use only as directed.  
**KEEP OUT OF REACH OF CHILDREN AND PETS.**  
Pressurized container.  
Do not pierce or burn, even after use.
- Advice on protection against fire and explosion** : Keep away from sources of ignition - No smoking.  
Do not spray on an open flame or other ignition source.
- Storage**
- Requirements for storage areas and containers** : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**OFF!® DEEP WOODS® INSECT REPELLENT V**

Version 1.1

Print Date 03/04/2015

Revision Date 02/23/2015

SDS Number 350000004807

Keep away from food, drink and animal feedingstuffs.  
Keep in a dry, cool and well-ventilated place.

**Other data** : Stable under recommended storage conditions.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Ethyl alcohol	64-17-5	1,900 mg/m3	1,000 ppm	-	OSHA TWA
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL
Butane	106-97-8	-	1,000 ppm	-	ACGIH STEL
Propane	74-98-6	-	1,000 ppm	-	ACGIH TWA
Propane	74-98-6	1,800 mg/m3	1,000 ppm	-	OSHA TWA
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH STEL

**Personal protective equipment**

**Respiratory protection** : Do not spray in enclosed areas.

**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**



**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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<b>Form</b>	: aerosol
<b>Form</b>	: Compressed gas
<b>Color</b>	: clear
<b>Odor</b>	: Alcohol Odor
<b>Odour 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>	: -7 °C 19.4 °F
<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>	: 0.84 g/ml at 21 °C
<b>Solubility(ies)</b>	: slightly soluble

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- Partition coefficient: n-octanol/water** : No data available
- Auto-ignition temperature** : No data available
- Decomposition temperature** : No data available
- Viscosity, dynamic** : No data available
- Viscosity, kinematic** : No data available
- Oxidizing properties** : No data available
- Volatile Organic Compounds Total VOC (wt. %)\*** : 64.2 % - additional exemptions may apply  
\*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** : Heat, flames and sparks.
- Incompatible materials** : Strong oxidizing agents
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

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**11. TOXICOLOGICAL INFORMATION**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**Emergency Overview** : Danger

**Acute oral toxicity** : No data available

**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	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

**Aggravated Medical Condition** : Do not apply to cuts or irritated skin.

**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**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

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Components	End point	Species	Value	Exposure time
Ethyl alcohol	flow-through test LC50	Pimephales promelas (fathead minnow)	14,200 mg/l	96 h
N,N-Diethyl-m-toluamide	static test LC50	Oncorhynchus mykiss (rainbow trout)	71.25 mg/l	96 h
Butane	No data available			
Propane	LC50	Fish	27.98 mg/l	96 h
Isobutane	LC50	Fish	27.98 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Ethyl alcohol	static test EC50	Daphnia magna (Water flea)	2 mg/l	48 h
	NOEC	Daphnia magna		9.6 mg/l
N,N-Diethyl-m-toluamide	No data available			
Butane	No data			

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	available			
Propane	LC50	Daphnid	14.22 mg/l	48 h
Isobutane	LC50	Daphnid	16.33 mg/l	48 h

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Ethyl alcohol	Static EC50	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h
N,N-Diethyl-m-toluamide	No data available			
Butane	No data available			
Propane	No data available			
Isobutane	EC50	Green algae	8.57 mg/l	96 h

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Ethyl alcohol	97 %	28 d	Readily biodegradable
N,N-Diethyl-m-toluamide	No data available		
Butane	100 %	385.5 h	Readily biodegradable
Propane	70 %	< 10 d	Readily biodegradable
Isobutane	70 %	< 10 d	Readily biodegradable

**Bioaccumulative potential**

Component	Bioconcentration	Partition Coefficient n-
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	<b>factor (BCF)</b>	<b>Octanol/water (log)</b>
Ethyl alcohol	3.2 estimated	-0.35 Measured
N,N-Diethyl-m-toluamide	No data available	No data available
Butane	No data available	2.89
Propane	No data available	2.36
Isobutane	1.57 - 1.97	2.8

**Mobility**

<b>Component</b>	<b>End point</b>	<b>Value</b>
Ethyl alcohol	No data available	
N,N-Diethyl-m-toluamide	No data available	
Butane	No data available	
Propane	No data available	
Isobutane	No data available	

**PBT and vPvB assessment**

<b>Component</b>	<b>Results</b>
Ethyl alcohol	Not fulfilling PBT and vPvB criteria
N,N-Diethyl-m-toluamide	Not fulfilling PBT and vPvB criteria
Butane	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria

**Other adverse effects** : None known.

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**13. DISPOSAL CONSIDERATIONS**

**PESTICIDAL WASTE:**

For disposal information, please read and follow Disposal instructions on the pesticide label.  
Consumer may discard empty container in trash, or recycle where facilities exist.

**Safety Data Sheet**

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**14. TRANSPORT INFORMATION**

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	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**

**FIFRA Labeling**

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:**

- Causes moderate eye irritation.
- Harmful if swallowed.
- Use of this product may cause skin reactions in rare cases.
- Flammable.
- Contents under pressure.
- Exposure to temperatures above 120° F may cause bursting.

**Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA)

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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.

**Registration # / Agency**  
4822-167/US/EPA

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**16. OTHER INFORMATION**

**HMIS Ratings**

Health	2
Flammability	4
Reactivity	0

**NFPA Ratings**

Health	2
Fire	4
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**



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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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PRU-US235

# SAFETY DATA SHEET

## 1. Identification

Product number 1000010330  
 Product identifier 19 OZ STRIP-IT BASEBOARD STRIPPR LB 12PK  
 Company information CSI  
 1005 S. Westgate Drive  
 Addison, IL 60101 United States  
 Company phone General Assistance 1-800-252-4731  
 Emergency telephone US 1-866-836-8855  
 Emergency telephone outside US 1-952-852-4646  
 Version # 01  
 Recommended use Stripper  
 Recommended restrictions None known.

## 2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1  
 Health hazards Skin corrosion/irritation Category 1  
 Serious eye damage/eye irritation Category 1  
 Specific target organ toxicity, repeated exposure Category 2  
 OSHA defined hazards Not classified.

### Label elements



Signal word Danger

Hazard statement Extremely flammable aerosol. Causes severe skin burns and eye damage. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

### Precautionary statement

**Prevention** Keep away from heat/sparks/open flames/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. Do not breathe gas. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**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 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. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.

**Storage** Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 3  
 Hazardous to the aquatic environment, long-term hazard Category 3

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
2-Butoxyethanol		111-76-2	10 - 20
Butane		106-97-8	2.5 - 10
Monoethanolamine		141-43-5	2.5 - 10
Propane		74-98-6	1 - 2.5
Sodium Nitrite		7632-00-0	0.1 - 1
Other components below reportable levels			60 - 80

\*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>	If symptoms develop move victim to fresh air. Call a physician or Poison Control Center immediately. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Call a physician or Poison Control Center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or Poison Control Center immediately.
<b>Ingestion</b>	Have victim rinse mouth thoroughly with water. Call a physician or poison control center immediately. Get medical attention immediately. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Drink 1 or 2 glasses of water. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	In case of shortness of breath, give oxygen. Immediate medical attention is required. 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 victim warm.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water spray. Alcohol resistant foam. Powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	Extremely flammable aerosol.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Stay upwind. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewers, basements or confined areas. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Clean contaminated surface thoroughly. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

### Environmental precautions

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Vapors may form explosive mixtures with air. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe gas/fumes/vapor/spray. Do not re-use empty containers. Do not breathe gas. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Store locked up. Keep away from heat, sparks, and flame. Keep at temperature not exceeding 49°C. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. The pressure in sealed containers can increase under the influence of heat. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Keep in a well-ventilated place. This material can accumulate static charge which may cause spark and become an ignition source. Keep this material away from food, drink and animal feed. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m <sup>3</sup>
		50 ppm
Monoethanolamine (CAS 141-43-5)	PEL	6 mg/m <sup>3</sup>
		3 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup>
		1000 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Butane (CAS 106-97-8)	STEL	1000 ppm	
Monoethanolamine (CAS 141-43-5)	STEL	6 ppm	

**US. ACGIH Threshold Limit Values Components**

**Type**

**Value**

**Form**

TWA

1 mg/m3

Inhalable fraction and vapor.

3 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards Components**

**Type**

**Value**

2-Butoxyethanol (CAS 111-76-2)

TWA

24 mg/m3

5 ppm

Butane (CAS 106-97-8)

TWA

1900 mg/m3

800 ppm

Monoethanolamine (CAS 141-43-5)

STEL

15 mg/m3

TWA

6 ppm

8 mg/m3

3 ppm

Propane (CAS 74-98-6)

TWA

1800 mg/m3

1000 ppm

**Biological limit values**

**ACGIH Biological Exposure Indices Components**

**Value**

**Determinant**

**Specimen**

**Sampling Time**

2-Butoxyethanol (CAS 111-76-2)

200 mg/g

Butoxyacetic acid (BAA), with hydrolysis

Creatinine in urine

\*

\* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

2-Butoxyethanol (CAS 111-76-2)

Skin designation applies.

**US - Tennessee OELs: Skin designation**

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

**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. Eye wash facilities and emergency shower must be available when handling this product.

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

**Eye/face protection**

Wear chemical goggles and face shield. Do not get this material in contact with eyes.

**Skin protection**

**Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other**

Do not get this material in contact with skin. Wear appropriate chemical resistant gloves. Wear chemical protective equipment that is specifically recommended by the manufacturer. Use of an impervious apron is recommended.

**Respiratory protection**

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Do not get this material in contact with eyes. Do not get this material in contact with skin. When using do not smoke. Avoid contact with eyes. When using do not eat or drink. 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>	Viscous.
<b>Physical state</b>	Gas.
<b>Form</b>	Aerosol.
<b>Color</b>	Colorless.
<b>Odor</b>	Solvent.
<b>Odor threshold</b>	Not available.
<b>pH</b>	11.4 - 12.4 estimated
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C) estimated
<b>Flash point</b>	-156.0 °F (-104.4 °C) Propellant estimated
<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>	3 % estimated
<b>Flammability limit - upper (%)</b>	23.5 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	60 - 70 psig @ 70 F 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>	582.42 °F (305.79 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.
<b>Specific gravity</b>	0.99 - 1 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>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	May form explosive mixtures with air. Strong acids. Acids. Strong oxidizing agents. Caustics.
<b>Hazardous decomposition products</b>	May include oxides of nitrogen. May include oxides of phosphorus.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** May cause damage to organs through prolonged or repeated exposure by inhalation. May cause irritation to the respiratory system.

**Skin contact** Causes severe skin burns.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

**Eye contact** Causes serious eye damage.

**Ingestion** Causes digestive tract burns.

**Symptoms related to the physical, chemical and toxicological characteristics** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### Information on toxicological effects

**Acute toxicity** Acute LD50: 1928 mg/kg, Rat, Dermal  
Acute LC50: 19 mg/l/4h, Rat, Inhalation  
Causes burns.

Product	Species	Test Results
19 OZ STRIP-IT BASEBOARD STRIPPR LB 12PK		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rat	1928 mg/kg
<b>Inhalation</b>		
LC50	Rat	19 mg/l/4h
<b>Oral</b>		
LD50	Rat	
<b>Components</b>		
2-Butoxyethanol (CAS 111-76-2)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Guinea pig	7.3 ml/kg, 4 Days
		0.23 ml/kg, 24 Hours
	Rabbit	435 mg/kg, 24 Hours
		0.68 ml/kg, 24 Hours
		0.63 ml/kg
	Rat	> 2000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rabbit	400 ppm, 7 Hours
	Rat	450 ppm, 4 Hours
<b>Oral</b>		
LD100	Rabbit	695 mg/kg
LD50	Dog	> 695 mg/kg
	Guinea pig	1414 mg/kg
	Mouse	1519 mg/kg
	Rat	1746 mg/kg

Components	Species	Test Results
Butane (CAS 106-97-8)		
<u>Acute</u> Inhalation LC50	Mouse	1237 mg/l, 120 Minutes
	Rat	52 %, 120 Minutes 1355 mg/l
Monoethanolamine (CAS 141-43-5)		
<u>Acute</u> Dermal LD50	Rabbit	2504 mg/kg, 24 Hours 2.46 - 2.83 ml/kg, 24 Hours
Inhalation LC50	Rat	> 1.3 mg/l, 6 Hours
Oral LD50	Rat	1089 mg/kg 1.07 ml/kg
Propane (CAS 74-98-6)		
<u>Acute</u> Inhalation LC50	Mouse	1237 mg/l, 120 Minutes
	Rat	52 %, 120 Minutes 1355 mg/l 658 mg/l/4h
Sodium Nitrite (CAS 7632-00-0)		
<u>Acute</u> Oral LD50	Rat	180 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

**Respiratory sensitization**

Not a respiratory sensitizer.

**Skin sensitization**

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

**Germ cell mutagenicity**

Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by WHMIS criteria.

**Carcinogenicity**

Risk of cancer cannot be excluded with prolonged exposure. Not expected to be hazardous by WHMIS criteria.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

2-Butoxyethanol (CAS 111-76-2)

3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity**

Not expected to be hazardous by OSHA criteria.

**Specific target organ toxicity - single exposure**

Not classified.

**Specific target organ toxicity - repeated exposure**

Respiratory system. Skin. Central nervous system. Eyes. May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

Not likely, due to the form of the product.

Product name: 19 OZ STRIP-IT BASEBOARD STRIPPER LB 12PK

Product #: 1000010330 Version #: 01 Issue date: 06-02-2016



**Chronic effects** This product may be harmful if it is absorbed through the skin. May cause damage to organs through prolonged or repeated exposure. May be harmful if absorbed through skin.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Prolonged exposure may cause chronic effects.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

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

## 12. Ecological information

**Ecotoxicity** LC50: 1538 mg/L, Fish, 96.00 Hours  
 EC50: 910 mg/L, Daphnia, 48.00 Hours  
 IC50: 225 mg/L, Algae, 72.00 Hours  
 Harmful to aquatic life with long lasting effects.

Product	Species	Test Results
<b>19 OZ STRIP-IT BASEBOARD STRIPPR LB 12PK</b>		
<b>Aquatic</b>		
Algae	IC50	Algae 225 mg/L, 72 Hours
Crustacea	EC50	Daphnia 910 mg/L, 48 Hours
Fish	LC50	Fish 1538 mg/L, 96 Hours
Components	Species	Test Results
<b>2-Butoxyethanol (CAS 111-76-2)</b>		
<b>Aquatic</b>		
Fish	LC50	Inland silverside ( <i>Menidia beryllina</i> ) 1250 mg/l, 96 hours
<b>Monoethanolamine (CAS 141-43-5)</b>		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Ceriodaphnia dubia</i> ) 61.8 - 86.04 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> ) 114 - 196 mg/l, 96 hours
<b>Sodium Nitrite (CAS 7632-00-0)</b>		
<b>Aquatic</b>		
Crustacea	EC50	Greasyback shrimp ( <i>Metapenaeus ensis</i> ) 16.14 - 26.61 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> ) 0.15 - 0.25 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

2-Butoxyethanol	0.83
Butane	2.89
Monoethanolamine	-1.31
Propane	2.36

**Mobility in soil** No data available.

**Other adverse effects** 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

**Disposal instructions** Consult authorities before disposal. Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not puncture, incinerate or crush. 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>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## 14. Transport information

### DOT

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	8
<b>Label(s)</b>	2.1, 8
<b>Packing group</b>	Not applicable.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	N82
<b>Packaging exceptions</b>	306
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

### IATA

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, containing substances in Class 8, Packing Group III
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	8
<b>Label(s)</b>	2.1, 8
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	10C
<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 with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.
<b>Packaging Exceptions</b>	LTD QTY

### IMDG

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, flammable, corrosive
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	8
<b>Label(s)</b>	2.1, 8
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	Not available.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Packaging Exceptions</b>	LTD QTY
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.

DOT



IATA; IMDG



## 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 on the U.S. EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

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

Sodium Nitrite (CAS 7632-00-0) Listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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

#### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - Yes  
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)

Chemical name	CAS number	% by wt.
2-Butoxyethanol	111-76-2	10 - 20
Sodium Nitrite	7632-00-0	0.1 - 1

### 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)

Butane (CAS 106-97-8)  
Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA) Not regulated.

### US state regulations

#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

2-Butoxyethanol (CAS 111-76-2)  
Butane (CAS 106-97-8)

**US. Massachusetts RTK - Substance List**

2-Butoxyethanol (CAS 111-76-2)  
Butane (CAS 106-97-8)  
Monoethanolamine (CAS 141-43-5)  
Propane (CAS 74-98-6)  
Sodium Nitrite (CAS 7632-00-0)

**US. New Jersey Worker and Community Right-to-Know Act**

2-Butoxyethanol (CAS 111-76-2)  
Butane (CAS 106-97-8)  
Monoethanolamine (CAS 141-43-5)  
Propane (CAS 74-98-6)  
Sodium Nitrite (CAS 7632-00-0)

**US. Pennsylvania Worker and Community Right-to-Know Law**

2-Butoxyethanol (CAS 111-76-2)  
Butane (CAS 106-97-8)  
Monoethanolamine (CAS 141-43-5)  
Propane (CAS 74-98-6)  
Sodium Nitrite (CAS 7632-00-0)

**US. Rhode Island RTK**

Butane (CAS 106-97-8)  
Propane (CAS 74-98-6)  
Sodium Nitrite (CAS 7632-00-0)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Diethanolamine (CAS 111-42-2) Listed: June 22, 2012

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	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** 06-02-2016

**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.

**Revision information** Product and Company Identification: Alternate Trade Names

Q57-296

**Safety Data Sheet**  
Gone

**SECTION I - IDENTIFICATION**

**PRODUCT NAME:** Gone  
**PRODUCT CODE:** 2460  
**PRODUCT USE:** Carpet stain remover  
**COMPANY NAME:** QuestVapco Corporation  
**COMPANY ADDRESS:** PO Box 624 Brenham, TX 77834  
**COMPANY PHONE:** 1-800-231-0454  
**EMERGENCY PHONE:** 800-255-3924

**SECTION II - HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Flammable Aerosol: Category 2

Liquefied Gas

Eye Irritant: Category 2b

**HAZARD STATEMENT(S): WARNING:** Flammable Aerosol Contains gas under pressure; May explode if heated. Causes eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

**PRECAUTIONARY STATEMENTS:** 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. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. 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.



**SYMBOL:**

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

**SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
2-Butoxyethanol	111-76-2	5-10%
Isopropyl Alcohol	67-63-0	1-5%
Propane/n-Butane	68476-86-8	3-7%

**SECTION IV - FIRST AID MEASURES**

**EYES:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

**SKIN:** If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.

**ACUTE HEALTH HAZARDS:** None Known

**CHRONIC HEALTH HAZARDS:** None known

**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

**SECTION V - FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

# Safety Data Sheet

Gone

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F.

**OTHER PRECAUTIONS:** None

**INCOMPATIBILITY:** Strong oxidizers, Alkalies, Acids

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
Isopropyl Alcohol	400 ppm	200 ppm
Propane/n-Butane	N/A	1000 ppm

**ENGINEERING CONTROLS / VENTILATION:** Ambient ventilation suitable, forced ventilation should not be required

**RESPIRATORY PROTECTION:** Not required with normal use.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses

**ADDITIONAL MEASURES:** Follow normal hygiene practices

**EXPOSURE GUIDELINES:** N/A

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White Foam

**ODOR:** Neutral scent

**ODOR THRESHOLD:** N/D

**BOILING POINT:** > 212°F (100°C)

**FREEZING POINT:** N/D

**FLAMMABILITY:** Flammable Aerosol

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**VAPOR PRESSURE (mm Hg):** 17.5 @ 77°F (25°C)

**VAPOR DENSITY (AIR=1):** > 2

**EVAPORATION RATE:** 0.3 Slow

**SPECIFIC GRAVITY (H2O=1):** 0.990

**pH:** 10.0

**SOLIDS (%):** N/D

**SOLUBILITY IN WATER:** 100%

**PARTITION COEFFICIENT: n-OCTANOL/WATER (Kow):** N/D

**VOLATILITY INCLUDING WATER (%):** 99%

**VOLATILE ORGANIC COMPOUNDS (VOC):** 15%

**DIELECTRIC STRENGTH (Volts):** N/A

**DECOMPOSITION TEMPERATURE:** N/D