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# Safety Data Sheet
acc. to OSHA HCS

Printing date 10/13/2014 Revised On 10/13/2014

## 1 Identification of the substance and manufacturer

**Trade name:** GLOSS BLACK

**Product code:** 80881
**Product category** PC9a Paints and coatings.
**Manufacturer/Supplier:** Kimball Midwest
4800 Roberts Road
Columbus, OH 43228
800-233-1294
www.kimballmidwest.com
**Emergency telephone number:** ChemTrec: 800-424-9300

KIMBALL MIDWEST
*Specializing in Materials Management*

## 2 Hazard(s) identification

**Classification of the substance or mixture**

| | | |
|---|---|---|
| Flam. Aerosol 1 | H222 | Extremely flammable aerosol. |
| Press. Gas | H280 | Contains gas under pressure; may explode if heated. |
| Carc. 2 | H351 | Suspected of causing cancer. |
| Eye Irrit. 2A | H319 | Causes serious eye irritation. |
| STOT SE 3 | H336 | May cause drowsiness or dizziness. |

**GHS Hazard pictograms**

GHS02 GHS04 GHS07 GHS08

**Signal word** Danger
**Hazard statements**
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
Suspected of causing cancer.
May cause drowsiness or dizziness.

**Precautionary statements**
Obtain special instructions before use.
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.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
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.
Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition/information on ingredients

**Chemical characterization: Mixtures**
**Chemical Description:** This product is a mixture of the substances listed below with nonhazardous additions.

| **Dangerous components:** | | |
|---|---|---|
| 67-64-1 | Acetone | 22.56% |
| 74-98-6 | propane | 15.74% |
| 106-97-8 | n-butane | 9.24% |
| 7727-43-7 | barium sulphate, natural | 8.51% |
| 108-10-1 | methyl isobutyl ketone | 5.47% |
| 2807-30-9 | Glycol Ether EP | 5.45% |
| 107-87-9 | Methyl Propyl Ketone | 3.06% |
| 1330-20-7 | xylene (mix) | 2.69% |
| 108-65-6 | PM acetate | 1.87% |
| 110-19-0 | isobutyl acetate | 1.41% |

## 4 First-aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.
**After skin contact:** Remove contaminated clothing. Wash exposed area with soap and water.
**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
**After swallowing:** Rinse mouth with water. Do not induce vomiting.
**Most important symptoms and effects:** Dizziness
**Indication of any immediate medical attention needed:** No further relevant information available.

## 5 Fire-fighting measures

**Extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray.

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**Special hazards:** Can form explosive gas-air mixtures.
**Protective equipment for firefighters:** A respiratory protective device may be necessary.

## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use respiratory protective device against the effects of fumes/dust/aerosol.
**Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material.

## 7 Handling and storage

**Precautions for safe handling** Use only in well ventilated areas.
**Storage requirements:** Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

## 8 Exposure controls/personal protection

**Components with limit values that require monitoring at the workplace:**

| | |
|---|---|
| **67-64-1 Acetone** | |
| PEL (USA) | Long-term value: 2400 mg/m³, 1000 ppm |
| REL (USA) | Long-term value: 590 mg/m³, 250 ppm |
| TLV (USA) | Short-term value: (1782) NIC-1187 mg/m³, (750) NIC-500 ppm<br>Long-term value: (1188) NIC-594 mg/m³, (500) NIC-250 ppm<br>BEI |
| **74-98-6 propane** | |
| PEL (USA) | Long-term value: 1800 mg/m³, 1000 ppm |
| REL (USA) | Long-term value: 1800 mg/m³, 1000 ppm |
| TLV (USA) | refer to Appendix F |
| **106-97-8 n-butane** | |
| REL (USA) | Long-term value: 1900 mg/m³, 800 ppm |
| TLV (USA) | Short-term value: 2370 mg/m³, 1000 ppm |
| **7727-43-7 barium sulphate, natural** | |
| PEL (USA) | Long-term value: 15* 5** mg/m³<br>*total dust **respirable fraction |
| REL (USA) | Long-term value: 10* 5** mg/m³<br>*total dust **respirable fraction |
| TLV (USA) | Long-term value: 5* mg/m³<br>*inhalable fraction; E |
| **108-10-1 methyl isobutyl ketone** | |
| PEL (USA) | Long-term value: 410 mg/m³, 100 ppm |
| REL (USA) | Short-term value: 300 mg/m³, 75 ppm<br>Long-term value: 205 mg/m³, 50 ppm |
| TLV (USA) | Short-term value: 307 mg/m³, 75 ppm<br>Long-term value: 82 mg/m³, 20 ppm<br>BEI |
| **107-87-9 Methyl Propyl Ketone** | |
| PEL (USA) | Long-term value: 700 mg/m³, 200 ppm |
| REL (USA) | Long-term value: 530 mg/m³, 150 ppm |
| TLV (USA) | Short-term value: 529 mg/m³, 150 ppm |
| **1330-20-7 xylene (mix)** | |
| PEL (USA) | Long-term value: 435 mg/m³, 100 ppm |
| REL (USA) | Short-term value: 655 mg/m³, 150 ppm<br>Long-term value: 435 mg/m³, 100 ppm |
| TLV (USA) | Short-term value: 651 mg/m³, 150 ppm<br>Long-term value: 434 mg/m³, 100 ppm<br>BEI |
| **108-65-6 PM acetate** | |
| WEEL (USA) | Long-term value: 50 ppm |
| **110-19-0 isobutyl acetate** | |
| PEL (USA) | Long-term value: 700 mg/m³, 150 ppm |
| REL (USA) | Long-term value: 700 mg/m³, 150 ppm |
| TLV (USA) | Long-term value: 713 mg/m³, 150 ppm |

**Ingredients with biological limit values:**

| | |
|---|---|
| **67-64-1 Acetone** | |
| BEI (USA) | 50 mg/L<br>Medium: urine<br>Time: end of shift<br>Parameter: Acetone (nonspecific) |

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| 108-10-1 methyl isobutyl ketone | |
|---|---|
| BEI (USA) | 1 mg/L<br>Medium: urine<br>Time: end of shift<br>Parameter: MIBK |

| 1330-20-7 xylene (mix) | |
|---|---|
| BEI (USA) | 1.5 g/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Methylhippuric acids |

**Hygienic protection:** Immediately remove all soiled and contaminated clothing.
Wash hands after use.
Avoid contact with the eyes and skin.
Do not eat or drink while working.

**Breathing equipment:** A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygeine.

**Hand protection:** Protective gloves. The glove material must be impermeable and resistant to the substance.

**Eye protection:** Tightly sealed goggles

## 9 Physical and chemical properties

**Appearance:** Aerosol.
**Odor:** Aromatic
**Odor threshold:** Not determined.

**pH-value:** Not determined.
**Melting point/Melting range** Undetermined.
**Boiling point:** -44 °C (-47 °F)

**Flash point:** -19 °C (-2 °F)
**Flammability (solid, gas):** Extremely flammable.

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not self-igniting.

**Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.
**Lower Explosion Limit:** 1.7 Vol %
**Upper Explosion Limit:** 10.9 Vol %

**Vapor pressure:** Not determined.
**Relative Density:** Between 0.77 and 0.85 (Water equals 1.00)
**Vapour density** Not determined.
**Evaporation rate** Not applicable.
**Partition coefficient: n-octonal/water:** Not determined.

**Solubility:** Not determined.
**Viscosity:** Not determined.

**VOC content:** 496.0 g/l / 4.14 lb/gl
**VOC content (less exempt solvents):** 46.2 %
**MIR Value:** 1.12

**Solids content:** 30.9 %

## 10 Stability and reactivity

**Reactivity:** Stable at normal temperatures.
**Conditions to avoid:** Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.
**Chemical stability:** Not fully evaluated.
**Possibility of hazardous reactions:** No dangerous reactions known.
**Incompatible materials:** No further relevant information available.
**Hazardous decomposition:** No dangerous decomposition products known.

## 11 Toxicological information

| LD/LC50 values that are relevant for classification: | | |
|---|---|---|
| **106-97-8 n-butane** | | |
| Inhalative | LC50/4 h | 658 mg/l (rat) |
| **108-10-1 methyl isobutyl ketone** | | |
| Oral | LD50 | 2100 mg/kg (rat) |
| Dermal | LD50 | 16000 mg/kg (rab) |
| Inhalative | LC50/4 h | 8.3-16.6 mg/l (rat) |
| **1330-20-7 xylene (mix)** | | |
| Oral | LD50 | 8700 mg/kg (rat) |
| Dermal | LD50 | 2000 mg/kg (rbt) |
| Inhalative | LC50/4 h | 6350 mg/l (rat) |

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| 108-65-6 PM acetate | | |
|---|---|---|
| Oral | LD50 | 8500 mg/kg (rat) |
| Inhalative | LC50/4 h | 35.7 mg/l (rat) |
| **110-19-0 isobutyl acetate** | | |
| Oral | LD50 | 4763 mg/kg (rbt) |

**Information on toxicological effects:** No data available.
**Sensitization:** No sensitizing effects known.

**Carcinogenic categories**

| IARC (International Agency for Research on Cancer) | | |
|---|---|---|
| 108-10-1 | methyl isobutyl ketone | 2B |
| 1330-20-7 | xylene (mix) | 3 |

**NTP (National Toxicology Program)**
None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

## 12 Ecological information

**Aquatic toxicity:** Hazardous for water, do not empty into drains.
**Persistence and degradability:** The product is degradable after prolonged exposure to natural weathering processes.
**Bioaccumulative potential:** No further relevant information available.
**Mobility in soil:** No further relevant information available.
**Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.
**Recommendation:** Completely empty cans should be recycled.

## 14 Transport information

**UN-Number** UN1950
**DOT** Aerosols
**ADR** 1950 Aerosols
**Transport hazard class(es):**
**Class** 2.1
**Marine pollutant:** No
**Special precautions for user:** Warning: Gases
**EMS Number:** F-D,S-U
**Quantity limitations** On passenger aircraft/rail: 75 kg
On cargo aircraft only: 150 kg

**ADR**
**Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity

**IMDG**
**Limited quantities (LQ)** 1L
**Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity
**Packaging Group:** --
**UN "Model Regulation":** UN1950, Aerosols, 2.1

## 15 Regulatory information

**SARA Section 355 (extremely hazardous substances):**
None of the ingredients in this product are listed.

| SARA Section 313 (Specific toxic chemical listings): | |
|---|---|
| 7727-43-7 | barium sulphate, natural |
| 108-10-1 | methyl isobutyl ketone |
| 1330-20-7 | xylene (mix) |

**CPSC:** This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

| California Proposition 65 chemicals known to cause cancer: | |
|---|---|
| 108-10-1 | methyl isobutyl ketone |
| 1333-86-4 | Carbon black |
| 100-41-4 | ethyl benzene |

| EPA: | | |
|---|---|---|
| 67-64-1 | Acetone | I |
| 7727-43-7 | barium sulphate, natural | D, CBD(inh), NL(oral) |
| 108-10-1 | methyl isobutyl ketone | I |
| 1330-20-7 | xylene (mix) | I |

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| | | |
|---|---|---|
| 110-19-0 | isobutyl acetate | D |

## 16 Other information

**Contact:** Regulatory Affairs

Benjamin Moore
Paints

# SAFETY DATA SHEET

**Revision Date:** *25-Oct-2016* **Revision Number:** *3*

## 1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **Product Name** | **ULTRA SPEC 500 INTERIOR EGGSHELL FINISH BASE 1** |
| **Product Code** | **N5381X** |
| **Alternate Product Code** | N5381X |
| **Product Class** | WATER THINNED PAINT |
| **Color** | All |
| **Recommended use** | Paint |
| **Restrictions on use** | No information available |

**Manufacturer**
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 855-724-6802
www.benjaminmoore.com

**Emergency Telephone Number(s)**
CHEMTREC (US): 800-424-9300
CHEMTREC (outside US): (703)-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Label elements**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Appearance** liquid **Odor** little or no odor

**Hazards not otherwise classified (HNOC)**
Not Applicable

**Other information**
No information available

**Other hazards**
May cause allergic skin reaction

## 3. COMPOSITION INFORMATION ON COMPONENTS

| Chemical Name | CAS-No | Weight % (max) |
|---|---|---|
| Titanium dioxide | 13463-67-7 | 20 |
| Kaolin, calcined | 92704-41-1 | 5 |
| Limestone | 1317-65-3 | 5 |
| Hexanedioic acid, dihydrazide | 1071-93-8 | 0.5 |

## 4. FIRST AID MEASURES

**General Advice** No hazards which require special first aid measures.

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

**Most Important Symptoms/Effects** May cause allergic skin reaction.

**Notes To Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**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.

**Specific Hazards Arising From The Chemical** Closed containers may rupture if exposed to fire or extreme heat.

**Sensitivity To Mechanical Impact** No

**Sensitivity To Static Discharge** No

**Flash Point Data**

**Flash Point (°F)** Not applicable
**Flash Point (°C)** Not applicable
**Flash Point Method** Not applicable

**Flammability Limits In Air**

**Lower Explosion Limit** Not applicable
**Upper Explosion Limit** Not applicable

**NFPA** **Health:** 1 **Flammability:** 0 **Instability:** 0 **Special:** Not Applicable

**NFPA Legend**
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.*

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**Other Information** Prevent further leakage or spillage if safe to do so.

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

**Methods For Clean-Up** Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage** Keep container tightly closed. Keep out of the reach of children.

**Incompatible Materials** No information available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits**

| Chemical Name | ACGIH | OSHA |
|---|---|---|
| Titanium dioxide | 10 mg/m³ - TWA | 15 mg/m³ - TWA |
| Limestone | N/E | 15 mg/m³ - TWA<br>5 mg/m³ - TWA |

**Legend**
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields.
**Skin Protection** Protective gloves and impervious clothing.
**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene Measures** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance** | liquid |
| **Odor** | little or no odor |
| **Odor Threshold** | No information available |
| **Density (lbs/gal)** | 10.5 - 10.6 |
| **Specific Gravity** | 1.25 - 1.27 |
| **pH** | No information available |
| **Viscosity (cps)** | No information available |
| **Solubility** | No information available |
| **Water Solubility** | No information available |
| **Evaporation Rate** | No information available |
| **Vapor Pressure** | No information available |
| **Vapor Density** | No information available |
| **Wt. % Solids** | 45 - 55 |
| **Vol. % Solids** | 30 - 40 |
| **Wt. % Volatiles** | 45 - 55 |
| **Vol. % Volatiles** | 60 - 70 |
| **VOC Regulatory Limit (g/L)** | 0 |
| **Boiling Point (°F)** | 212 |
| **Boiling Point (°C)** | 100 |
| **Freezing Point (°F)** | 32 |
| **Freezing Point (°C)** | 0 |
| **Flash Point (°F)** | Not applicable |
| **Flash Point (°C)** | Not applicable |
| **Flash Point Method** | Not applicable |
| **Flammability (solid, gas)** | Not applicable |
| **Upper Explosion Limit** | Not applicable |
| **Lower Explosion Limit** | Not applicable |
| **Autoignition Temperature (°F)** | No information available |
| **Autoignition Temperature (°C)** | No information available |
| **Decomposition Temperature (°F)** | No information available |
| **Decomposition Temperature (°C)** | No information available |
| **Partition Coefficient (n-octanol/water)** | No information available |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | Not Applicable |
| **Chemical Stability** | Stable under normal conditions. |
| **Conditions To Avoid** | Prevent from freezing. |
| **Incompatible Materials** | No materials to be especially mentioned. |
| **Hazardous Decomposition Products** | None under normal use. |
| **Possibility Of Hazardous Reactions** | None under normal conditions of use. |

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

**Information on likely routes of exposure**

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

**Acute Toxicity**

**Product Information** No information available

**Information on toxicological effects**

**Symptoms** No information available

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

| | |
|---|---|
| **Eye contact** | May cause slight irritation. |
| **Skin contact** | Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation. |
| **Inhalation** | May cause irritation of respiratory tract. |
| **Ingestion** | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| **Sensitization:** | May cause an allergic skin reaction |
| **Neurological Effects** | No information available. |
| **Mutagenic Effects** | No information available. |
| **Reproductive Effects** | No information available. |
| **Developmental Effects** | No information available. |
| **Target Organ Effects** | No information available. |
| **STOT - single exposure** | No information available. |
| **STOT - repeated exposure** | No information available. |
| **Other adverse effects** | No information available. |
| **Aspiration Hazard** | No information available |

**Numerical measures of toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document**

**ATEmix (oral)** 28040 mg/kg

**Component**

Titanium dioxide
LD50 Oral: > 10000 mg/kg (Rat)
Kaolin, calcined
LD50 Oral: > 5000 mg/kg (Rat) vendor data

**Carcinogenicity**
*The information below indicates whether each agency has listed any ingredient as a carcinogen:.*

| Chemical Name | IARC | NTP | OSHA Carcinogen |
|---|---|---|---|
| Titanium dioxide | 2B - Possible Human Carcinogen | | Listed |

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

**Legend**
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

### Product Information

**Acute Toxicity to Fish**
No information available

**Acute Toxicity to Aquatic Invertebrates**
No information available

**Acute Toxicity to Aquatic Plants**
No information available

**Persistence / Degradability**
No information available.

**Bioaccumulation / Accumulation**
No information available.

**Mobility in Environmental Media**
No information available.

**Ozone**
No information available

**Component**

**Acute Toxicity to Fish**

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**
No information available

**Acute Toxicity to Aquatic Plants**
No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** — Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

## 14. TRANSPORT INFORMATION

**DOT** — Not regulated

**ICAO / IATA** — Not regulated

**IMDG / IMO** — Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

**TSCA: United States** — Yes - All components are listed or exempt.
**DSL: Canada** — No - Not all of the components are listed.
One or more component is listed on NDSL.

## Federal Regulations

**SARA 311/312 hazardous categorization**

| | |
|---|---|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

*None*

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

*None*

## State Regulations

**California Proposition 65**

*This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.*

**State Right-to-Know**

| Chemical Name | Massachusetts | New Jersey | Pennsylvania |
|---|---|---|---|
| Titanium dioxide | X | X | X |
| Limestone | X | X | X |

**Legend**

X - Listed

## 16. OTHER INFORMATION

**HMIS** - **Health:** 1 **Flammability:** 0 **Reactivity:** 0 **PPE:** -

**HMIS Legend**

0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

| | |
|---|---|
| **Prepared By** | Product Stewardship Department<br>Benjamin Moore & Co.<br>101 Paragon Drive<br>Montvale, NJ 07645<br>855-724-6802 |
| **Revision Date:** | 25-Oct-2016 |
| **Revision Summary** | Not available |

Disclaimer

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END OF SAFETY DATA SHEET

Benjamin Moore®
Paints

# SAFETY DATA SHEET

**Revision Date:** *24-May-2015*

**Revision Number:** *1*

## 1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **Product Name** | **ULTRA SPEC EXTERIOR SATIN FINISH WHITE** |
| **Product Code** | **N44801** |
| **Product Class** | WATER THINNED PAINT |
| **Color** | White |
| **Recommended use** | Paint |
| **Restrictions on use** | No information available |

**Manufacturer**
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 855-724-6802
www.benjaminmoore.com

**Emergency Telephone Number(s)**
CHEMTREC (US): 800-424-9300
CHEMTREC (outside US): (703)-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Label elements**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Appearance** white liquid **Odor** little or no odor

**Hazards not otherwise classified (HNOC)**
Not Applicable

**Other information**
No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % (max) |
|---|---|---|
| Titanium dioxide | 13463-67-7 | 20 |
| Nepheline syenite | 37244-96-5 | 10 |
| Zinc oxide | 1314-13-2 | 5 |
| Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol | 25265-77-4 | 5 |

## [redacted]

**General Advice** No hazards which require special first aid measures.

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

**Most Important Symptoms/Effects** None known.

**Notes To Physician** Treat symptomatically.

## [redacted]

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**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.

**Specific Hazards Arising From The Chemical** Closed containers may rupture if exposed to fire or extreme heat.

**Sensitivity To Mechanical Impact** No

**Sensitivity To Static Discharge** No

**Flash Point Data**

| | |
|---|---|
| **Flash Point (°F)** | Not applicable |
| **Flash Point (°C)** | Not applicable |
| **Flash Point Method** | Not applicable |

**Flammability Limits In Air**

| | |
|---|---|
| **Lower Explosion Limit** | Not applicable |
| **Upper Explosion Limit** | Not applicable |

**NFPA** **Health:** 1 **Flammability:** 0 **Instability:** 0 **Special:** Not Applicable

**NFPA Legend**
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.*

## 6. Accidental Release Measures

**Personal Precautions** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**Other Information** Prevent further leakage or spillage if safe to do so.

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

**Methods For Clean-Up** Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

## 7. Handling and Storage

**Handling** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage** Keep container tightly closed. Keep out of the reach of children.

**Incompatible Materials** No information available

## 8. Exposure Controls / Personal Protection

**Exposure Limits**

| Chemical Name | ACGIH | OSHA |
|---|---|---|
| Titanium dioxide | 10 mg/m³ - TWA | 15 mg/m³ - TWA |
| Nepheline syenite | N/E | 5 mg/m³ - TWA (nuisance dust) |
| Zinc oxide | 2 mg/m³ - TWA<br>10 mg/m³ - STEL | 5 mg/m³ - TWA<br>15 mg/m³ - TWA |

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields.

**Skin Protection** Protective gloves and impervious clothing.

**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene Measures** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

## 9. Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | white liquid |
| **Odor** | little or no odor |
| **Odor Threshold** | No information available |
| **Density (lbs/gal)** | 10.8 - 11.1 |

| | |
|---|---|
| **Specific Gravity** | 1.29 - 1.33 |
| **pH** | No information available |
| **Viscosity (cps)** | No information available |
| **Solubility** | No information available |
| **Water Solubility** | No information available |
| **Evaporation Rate** | No information available |
| **Vapor Pressure** | No information available |
| **Vapor Density** | No information available |
| **Wt. % Solids** | 45 - 55 |
| **Vol. % Solids** | 35 - 45 |
| **Wt. % Volatiles** | 45 - 55 |
| **Vol. % Volatiles** | 55 - 65 |
| **VOC Regulatory Limit (g/L)** | < 50 |
| **Boiling Point (°F)** | 212 |
| **Boiling Point (°C)** | 100 |
| **Freezing Point (°F)** | 32 |
| **Freezing Point (°C)** | 0 |
| **Flash Point (°F)** | Not applicable |
| **Flash Point (°C)** | Not applicable |
| **Flash Point Method** | Not applicable |
| **Flammability (solid, gas)** | Not applicable |
| **Upper Explosion Limit** | Not applicable |
| **Lower Explosion Limit** | Not applicable |
| **Autoignition Temperature (°F)** | No information available |
| **Autoignition Temperature (°C)** | No information available |
| **Decomposition Temperature (°F)** | No information available |
| **Decomposition Temperature (°C)** | No information available |
| **Partition Coefficient (n-octanol/water)** | No information available |

## [redacted]

| | |
|---|---|
| **Reactivity** | Not Applicable |
| **Chemical Stability** | Stable under normal conditions. |
| **Conditions To Avoid** | Prevent from freezing. |
| **Incompatible Materials** | No materials to be especially mentioned. |
| **Hazardous Decomposition Products** | None under normal use. |
| **Possibility Of Hazardous Reactions** | None under normal conditions of use. |

## [redacted]

**Information on likely routes of exposure**

**Product Information**

| | |
|---|---|
| **Inhalation** | No information available |
| **Eye contact** | No information available |
| **Skin contact** | No information available |
| **Ingestion** | No information available |

**Acute Toxicity**

| | |
|---|---|
| **Product Information** | No information available |

## 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
**Mutagenic Effects** No information available.
**Reproductive Effects** No information available.

## Numerical measures of toxicity

**The following values are calculated based on chapter 3.1 of the GHS document**

**ATEmix (oral)** 38761 mg/kg
**ATEmix (dermal)** 1511094 mg/kg

## Acute Toxicity

**Component**

Titanium dioxide
LD50 Oral: > 10000 mg/kg (Rat)
LD50 Dermal: > 10000 mg/m³ (Rabbit)
LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.)
Zinc oxide
LD50 Oral: 5000 mg/kg (Rat)
LC50 Inhalation (Dust): > 5700 mg/m³ (Rat, 4 hr.)

**Carcinogenicity**
*The information below indicates whether each agency has listed any ingredient as a carcinogen:.*

| Chemical Name | IARC | NTP | OSHA Carcinogen |
|---|---|---|---|
| Titanium dioxide | 2B - Possible Human Carcinogen | | Listed |

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

**Legend**
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

## 12. Ecological Information

## Ecotoxicity Effects

**The environmental impact of this product has not been fully investigated.**

## Product Information

**Acute Toxicity to Fish**
No information available

**Acute Toxicity to Aquatic Invertebrates**
No information available

**Acute Toxicity to Aquatic Plants**
No information available

**Persistence / Degradability**
No information available.

**Bioaccumulation / Accumulation**
No information available.

**Mobility in Environmental Media**
No information available.

**Ozone**
No information available

**Component**

**Acute Toxicity to Fish**

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

**Acute Toxicity to Aquatic Invertebrates**
No information available

**Acute Toxicity to Aquatic Plants**
No information available

[redacted]

| | |
|---|---|
| **Waste Disposal Method** | Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options. |

[redacted]

| | |
|---|---|
| **DOT** | Not regulated |
| **ICAO / IATA** | Not regulated |
| **IMDG / IMO** | Not regulated |

[redacted]

## International Inventories

| | |
|---|---|
| **TSCA: United States** | Yes - All components are listed or exempt. |
| **DSL: Canada** | Yes - All components are listed or exempt. |

## Federal Regulations

**SARA 311/312 hazardous categorization**

| | |
|---|---|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |

| | |
|---|---|
| Reactive Hazard | No |

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight % (max) | CERCLA/SARA 313 (de minimis concentration) |
|---|---|---|---|
| Zinc oxide | 1314-13-2 | 5 | 1.0 |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product contains the following HAPs:

*None*

## State Regulations

**California Proposition 65**

*This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.*

**State Right-to-Know**

| Chemical Name | Massachusetts | New Jersey | Pennsylvania |
|---|---|---|---|
| Titanium dioxide | X | X | X |
| Zinc oxide | X | X | X |

**Legend**
X - Listed

[redacted]

**HMIS** **Health:** 1 **Flammability:** 0 **Reactivity:** 0 **PPE:** -

**HMIS Legend**
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

| | |
|---|---|
| **Prepared By** | Product Stewardship Department<br>Benjamin Moore & Co.<br>101 Paragon Drive<br>Montvale, NJ 07645<br>855-724-6802 |
| **Revision Date:** | 24-May-2015 |
| **Revision Summary** | Change to Format |

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**END OF SAFETY DATA SHEET**

**Safety Data Sheet**
**ULTRABOND ECO 575**
Safety Data Sheet dated: 4/10/2015 - version 2
Date of first edition: 4/1/2015

## 1. IDENTIFICATION

**Product identifier**
Mixture identification:
Trade name: ULTRABOND ECO 575
**Recommended use of the chemical and restrictions on use**
Recommended use: Adhesive
Restrictions on use: N.A.
**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party**
Company: MAPEI CORP. (USA and Puerto Rico)
1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA
**Emergency 24 hour numbers:**
(USA) CHEMTREC 1-800-424-9300
(Canada) CANUTEC 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION

**Classification of the chemical**

**Classification of the chemical**

| | |
|---|---|
| Carc. 1A | May cause cancer if inhaled. |

**Label elements**

**Symbols:**

Danger

| Code | Description |
|---|---|
| H350.A | May cause cancer if inhaled. |

| Code | Description |
|---|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P405 | Store locked up. |
| P501.A | Dispose of contents/container in accordance with applicable regulations. |

**Ingredient(s) with unknown acute toxicity:**
None
**Hazards not otherwise classified identified during the classification process:**
None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
N.A.
Mixtures
Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

List of components

| Quantity | Name | Ident. Numb. | Classification |
|---|---|---|---|
| 0.1-1 % | Silica Sand | CAS:14808-60-7 | Carc. 1A, H350.A; STOT RE 1, H372.A |

## 4. FIRST AID MEASURES

**Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

N.A.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

**Unsuitable extinguishing media:**

None in particular.

**Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

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

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Storage temperature: N.A.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

List of components with OEL value

| Component | OEL Type | Country | Ceiling | Long Term mg/m3 | Long Term ppm | Short Term mg/m3 | Short Term ppm | Behaviour | Note |
|---|---|---|---|---|---|---|---|---|---|
| Silica Sand | ACGIH | | | 0,025 | | | | | A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis; |

Appropriate engineering controls: N.A.

**Individual protection measures**

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical State: Liquid
Appearance and colour: Paste beige
Odour: Slightly latex like
Odour threshold: N.A.
pH: 9.00
Melting point / freezing point: N.A.
Initial boiling point and boiling range: >100 °C (212 °F)
Flash point: >100 °C (212 °F)
Evaporation rate: same as water
Upper/lower flammability or explosive limits: N.A.
Vapour density: 1.15
Vapour pressure: 1.00 (kPa 50>C)
Relative density: N.A.
Solubility in water: Soluble
Solubility in oil: N.A.
Partition coefficient (n-octanol/water): N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Viscosity: N.A.
Explosive properties: N.A.
Oxidizing properties: N.A.
Solid/gas flammability: N.A.

**Other information**

Substance Groups relevant properties N.A.
Miscibility: N.A.
Fat Solubility: N.A.
Conductivity: N.A.

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under normal conditions

**Chemical stability**

Data not Available.

**Possibility of hazardous reactions**

None.

**Conditions to avoid**

Stable under normal conditions.

**Incompatible materials**

None in particular.

**Hazardous decomposition products**

None.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Toxicological information of the mixture:**

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

**Toxicological information on main components of the mixture:**

| | | |
|---|---|---|
| Silica Sand | a) acute toxicity | LD50 Oral Rat = 500mg/kg |

**If not differently specified, the information required in the regulation and listed below must be considered as N.A.**

a) acute toxicity

b) skin corrosion/irritation

c) serious eye damage/irritation

d) respiratory or skin sensitisation

e) germ cell mutagenicity

f) carcinogenicity

g) reproductive toxicity

h) STOT-single exposure

i) STOT-repeated exposure

j) aspiration hazard

**Substance(s) listed on the IARC Monographs:**

Silica Sand Group 1

**Substance(s) listed as OSHA Carcinogen(s):**

Silica Sand

**Substance(s) listed as NIOSH Carcinogen(s):**

Silica Sand

**Substance(s) listed on the NTP report on Carcinogens:**

Silica Sand

## 12. ECOLOGICAL INFORMATION

### Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of components with eco-toxicological properties**

| Quantity | Component | Ident. Numb. | Ecotox Infos |
|---|---|---|---|
| 0.1-1 % | Silica Sand | CAS: 14808-60-7 | LC50 a) Aquatic acute toxicity carp> 10000,00000mg/L 72h |

### Persistence and degradability

N.A.

### Bioaccumulative potential

N.A.

### Mobility in soil

N.A.

### Other adverse effects

N.A.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

## 14. TRANSPORT INFORMATION

### UN number

ADR-UN number: N/A

DOT-UN Number: N/A

IATA-Un number: N/A

IMDG-Un number: N/A

### UN proper shipping name

ADR-Shipping Name: N/A
DOT Proper Shipping Name: N/A
IATA-Technical name: N/A
IMDG-Technical name: N/A

**Transport hazard class(es)**

ADR-Class: N/A
DOT Hazard Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

**Packing group**

ADR-Packing Group: N/A
DOT-Packing group: N/A
IATA-Packing group: N/A
IMDG-Packing group: N/A

**Environmental hazards**

Marine pollutant: No
Environmental Pollutant: N.A.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

N.A.

**Special precautions**

Department of Transportation (DOT):

DOT-Special Provision(s): N/A
DOT Label(s): N/A
DOT Symbol: N/A
DOT Cargo Aircraft: N/A
DOT Passenger Aircraft: N/A
DOT Bulk: N/A
DOT Non-Bulk: N/A

Road and Rail (ADR-RID):

ADR-Label: N/A
ADR - Hazard identification number: N/A
ADR Tunnel Restriction Code: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Subrisk: N/A
IATA-Erg: N/A
IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Subrisk: N/A
IMDG-Special Provisions: N/A
IMDG-Page: N/A
IMDG-Label: N/A
IMDG-EMS: N/A
IMDG-MFAG: N/A

## 15. REGULATORY INFORMATION

**USA - Federal regulations**

**TSCA - Toxic Substances Control Act**

TSCA inventory:

All the components are listed on the TSCA inventory

TSCA listed substances:

Silica Sand is listed in TSCA Section 8b

**SARA - Superfund Amendments and Reauthorization Act**

**Section 302 - Extremely Hazardous Substances:**

no substances listed

**Section 304 - Hazardous substances:**

no substances listed

**Section 313 - Toxic chemical list:**

no substances listed

**CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

**Substance(s) listed under CERCLA:**

no substances listed

**CAA - Clean Air Act**

**CAA listed substances:**

no substances listed

**CWA - Clean Water Act**

**CWA listed substances:**

no substances listed

**USA - State specific regulations**

**California Proposition 65**

**Substance(s) listed under California Proposition 65:**

| | |
|---|---|
| Silica Sand | Listed as carcinogen |

**Massachusetts Right to know**

**Substance(s) listed under Massachusetts Right to know:**

Silica Sand

**Pennsylvania Right to know**

**Substance(s) listed under Pennsylvania Right to know:**

Silica Sand

**New Jersey Right to know**

**Substance(s) listed under New Jersey Right to know:**

Silica Sand

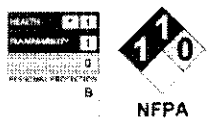
## 16. OTHER INFORMATION

| Code | Description |
|---|---|
| H350.A | May cause cancer if inhaled. |
| H372.A | Causes damage to organs through prolonged or repeated exposure if inhaled. |

Safety Data Sheet dated: 4/10/2015 - version 2

Product code: 4110

**Additional classification information**




HMIS Health: 1 = SLIGHT

HMIS Health - Is health hazard chronic?: Yes

HMIS Flammability: 1 = Combustible if heated

HMIS Reactivity: 0 = MINIMAL

HMIS P.P.E.: Safety glasses, gloves

NFPA Health: 1 = SLIGHT

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = MINIMAL

NFPA Special Risk: N.A.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial,

and local laws.
This document was prepared by a competent person who has received appropriate training.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This SDS cancels and replaces any preceding release.

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION

MAPEI

**Safety Data Sheet**
**ULTRABOND ECO 711**
Safety Data Sheet dated: 7/24/2015 - version 2
Date of first edition: 5/9/2015

## 1. IDENTIFICATION

**Product identifier**
Mixture identification:
Trade name: ULTRABOND ECO 711
**Recommended use of the chemical and restrictions on use**
Recommended use: Adhesive
Restrictions on use: N.A.
**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party**
Company: MAPEI CORP. (USA and Puerto Rico)
1144 East Newport Center Drive
33442 - Deerfield Beach - FL - USA
Phone: 954-246-8888
**Emergency 24 hour numbers:**
(USA) CHEMTREC 1-800-424-9300
(Canada) CANUTEC 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION

**Classification of the chemical**

**Classification of the chemical**

| | |
|---|---|
| Skin Irrit. 2 | Causes skin irritation. |
| Eye Irrit. 2B | Causes eye irritation |

**Label elements**

**Symbols:**

Warning

| Code | Description |
|---|---|
| H315 | Causes skin irritation. |
| H320 | Causes eye irritation |

| Code | Description |
|---|---|
| P264.2 | Wash skin thoroughly after handling. |
| P280.I | Wear protective gloves and eye protection. |
| P302+P352.A | IF ON SKIN: Wash with plenty of 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. |
| P321.A | Specific treatment (see supplementary instructions on this label) |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |

**Ingredient(s) with unknown acute toxicity:**
None
**Hazards not otherwise classified identified during the classification process:**
None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**
N.A.
**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

| Quantity | Name | Ident. Numb. | Classification |
|---|---|---|---|
| 20-30 % | Petroleum distillates, solvent-refined heavy naphthenic | CAS:64741-96-4 | Skin Irrit. 2, H315; Eye Irrit. 2B, H320 |

## 4. FIRST AID MEASURES

**Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

**Unsuitable extinguishing media:**

None in particular.

**Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

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

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Storage temperature: N.A.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

No Data Available

Appropriate engineering controls: N.A.

**Individual protection measures**

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

N.A.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical state: Liquid

Appearance and colour: Paste beige

Odour: Slightly latex like

Odour threshold: N.A.

pH: 9.00

Melting point / freezing point: N.A.

Initial boiling point and boiling range: >100 °C (212 °F)

Flash point: >100 °C (212 °F)

Evaporation rate: same as water

Upper/lower flammability or explosive limits: N.A.

Vapour density: 1.15

Vapour pressure: 1.00 (kPa 50>C)

Relative density: N.A.

Solubility in water: Soluble

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

Solid/gas flammability: N.A.

**Other information**

Substance Groups relevant properties N.A.

Miscibility: N.A.

Fat Solubility: N.A.

Conductivity: N.A.

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under normal conditions

**Chemical stability**

Data not Available.

**Possibility of hazardous reactions**

None.

**Conditions to avoid**

Stable under normal conditions.

**Incompatible materials**

None in particular.

**Hazardous decomposition products**

None.

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

Toxicological information of the product: No Data Available

**Substance(s) listed on the IARC Monographs:**

None

**Substance(s) listed as OSHA Carcinogen(s):**

None

**Substance(s) listed as NIOSH Carcinogen(s):**

None

**Substance(s) listed on the NTP report on Carcinogens:**

None

## 12. ECOLOGICAL INFORMATION

**Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of components with eco-toxicological properties**

| Quantity | Component | Ident. Numb. | Ecotox Infos |
|---|---|---|---|
| 20-30 % | Petroleum distillates, solvent-refined heavy naphthenic | CAS: 64741-96-4 | LC50 a) Aquatic acute toxicity Fish Oncorhynchus mykiss> 5000mg/L 96h IUCLID |
| | | | EC50 a) Aquatic acute toxicity Daphnia Daphnia magna> 1000mg/L 48h IUCLID |

**Persistence and degradability**

N.A.

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

**UN number**

ADR-UN number: N.A.
DOT-UN Number: N.A.
IATA-Un number: N.A.
IMDG-Un number: N.A.

**UN proper shipping name**

ADR-Shipping Name: N.A.
DOT-Proper Shipping Name: N.A.
IATA-Technical name: N.A.
IMDG-Technical name: N.A.

**Transport hazard class(es)**

ADR-Class: N.A.
DOT-Hazard Class: N.A.
IATA-Class: N.A.
IMDG-Class: N.A.

**Packing group**

ADR-Packing Group: N.A.

DOT-Packing group: N.A.

IATA-Packing group: N.A.

IMDG-Packing group: N.A.

**Environmental hazards**

Marine pollutant: No

Environmental Pollutant: N.A.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

N.A.

**Special precautions**

Department of Transportation (DOT):

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

N.A.

## 15. REGULATORY INFORMATION

**USA - Federal regulations**

**TSCA - Toxic Substances Control Act**

**TSCA inventory:**

All the components are listed on the TSCA inventory

**TSCA listed substances:**

| | | |
|---|---|---|
| Petroleum distillates, solvent-refined heavy naphthenic | is listed in TSCA | Section 8b |

**SARA - Superfund Amendments and Reauthorization Act**

**Section 302 - Extremely Hazardous Substances:**

no substances listed

**Section 304 - Hazardous substances:**

no substances listed

**Section 313 - Toxic chemical list:**

no substances listed

**CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

**Substance(s) listed under CERCLA:**

no substances listed

**CAA - Clean Air Act**

**CAA listed substances:**

no substances listed

**CWA - Clean Water Act**

**CWA listed substances:**

no substances listed

**USA - State specific regulations**

**California Proposition 65**

Substance(s) listed under California Proposition 65:

no substances listed

**Massachusetts Right to know**

Substance(s) listed under Massachusetts Right to know:

no substances listed

**Pennsylvania Right to know**

**Substance(s) listed under Pennsylvania Right to know:**

no substances listed

**New Jersey Right to know**

**Substance(s) listed under New Jersey Right to know:**

no substances listed

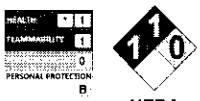
## 16. OTHER INFORMATION

| Code | Description |
|---|---|
| H315 | Causes skin irritation. |
| H320 | Causes eye irritation |

Safety Data Sheet dated: 7/24/2015 - version 2

Product code: 2218

**Additional classification information**



NFPA

HMIS Health: 1 = Slight

HMIS Health - Is health hazard chronic?: Yes

HMIS Flammability: 1 = Combustible if heated

HMIS Reactivity: 0 = Minimal

HMIS P.P.E.: Safety glasses, gloves

NFPA Health: 1 = Slight

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: NONE

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

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- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION

# MATERIAL SAFETY DATA SHEET

**Coastline Packaging Company**
30470 Energy Drive
New Church, VA 23415
Phone: 757-824-5112
Fax: 757-824-5455

Emergency# 757-824-3831

## Pride Universal Gold 50/50

Premix Precharged, Fully-formulated
Extended Life Antifreeze/Coolant

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **Product/Chemical Name:** | Pride Universal Gold 50/50 Antifreeze/Coolant |
| **Product Description:** | Ethylene Glycol Based Antifreeze, Precharged, Fully-formulated Extended Life Coolant (50/50) with Dye |
| **Chemical Family:** | Inhibited Ethylene Glycol and Water Solution |
| **CAS Registry:** | Mixture |
| **Packaged By:** | Coastline Packaging Company<br>30470 Energy Drive<br>New Church, VA 23415 |

### SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENT | CAS NO | WT. RANGE % | EXPOSURE LIMIT |
|---|---|---|---|
| *1,2-ethanediol (Ethylene Glycol) | 107-21-1 | 47.6% | 50ppm Ceiling-ACGIH |
| Proprietary Additives and Inhibitors | Not applicable | 1.05% | Not applicable |
| Dye | Not applicable | Trace | Not applicable |
| Water | 7732-18-5 | Balance | Not applicable |

*Hazardous according to OSHA (1910.1200) or one or more state Right-to-Know lists.

### SECTION 3 – HAZARDOUS IDENTIFICATION

| | |
|---|---|
| **Health:** | 2 |
| **Flammability:** | 0 |
| **Reactivity:** | 0 |
| **Special:** | None |

0 = minimal 1= slight 2=moderate 3= serious 4= severe

**HMIS**
H #2
F #0
R #0
PPE†
†Sec. 8

**Route(s) of Entry**

| | |
|---|---|
| **Inhalation:** | Yes |
| **Skin:** | Yes |
| **Ingestion:** | Yes |
| **Eyes:** | Yes |
| **Target Organs:** | Kidneys and Liver |

**Effects of overexposure:**
**Acute:** Eyes: May cause minimal irritation, experienced as temporary discomfort.

| | | |
|---|---|---|
| **Effects of overexposure (con't)** | | |
| **Acute:** | Skin: | Brief contact is not irritating. Prolonged contact, as with clothing wetted with material may cause defatting of skin or irritation, seen as local redness with possible mild discomfort. Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact. |
| | Inhalation: | Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness. Prolonged or repeated overexposure may result in the absorption of potentially harmful amounts of material. |
| | Ingestion: | Contains ethylene glycol and/or diethylene glycol, which are toxic when swallowed. A lethal dose for an adult is 1-2 ml per kilogram, or about 4 ounces (one-half cup). Symptoms include headache, weakness, confusion, dizziness, staggering, slurred speech, loss of concentration, faintness, nausea and vomiting, increased heart rate, decreased blood pressure, difficulty breathing and seeing, pulmonary edema, unconsciousness, convulsions, collapse and coma. Symptoms may be delayed. Decreased urine output and kidney failure may also occur. Severe poisoning may cause death. Aspiration may occur during swallowing or vomiting, resulting in lung damage. |
| **Sensitization Properties:** | Unknown | |
| **Signs and Symptoms of Exposure:** | See above "Effects of Overexposure." | |
| **Medical Conditions Generally Aggravated by Long-Term Exposure:** | Repeated overexposure may aggravate existing kidney disease. | |
| **Chronic Effects:** | Repeated ingestion may cause kidney damage | |
| **Carcinogenicity** | | |
| **NTP:** | Not listed | |
| **IARC Monographs:** | Not listed | |
| **OSHA Regulations:** | Not listed | |
| **ACGIH** | Not listed | |

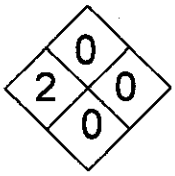
## SECTION 4 – FIRST AID MEASURES

| | | |
|---|---|---|
| **Emergency and First Aid Procedures:** | **Eye contact:** | Immediately flush with large quantities of water for at least 15 minutes and |
| | **Skin contact:** | Remove excess with cloth or paper towel. Wash thoroughly with soap and water. If irritation persists, get medical attention. |
| | **Ingestion:** | Immediately contact a physician, poison control center or emergency treatment center. DO NOT induce vomiting. Aspiration Hazard: Product may be inhaled into lungs if vomited. |
| | **Inhalation:** | Remove to fresh air. Restore and/or support breathing as required. Keep victim warm and at rest. |
| **Note to Physicians:** | Treat symptomatically | |
| **Special Precautions/Procedures:** | None known | |

## SECTION 5 – FIRE-FIGHTING MEASURES

| | |
|---|---|
| **Unusual Fire Fighting procedures:** | None known |
| **Flash Point:** | None |
| **Flash Point Method:** | Not applicable |
| **Burning Rate:** | Not applicable |
| **Autoignition Temperature:** | Not determined |
| **Flammable limits in air (% by volume):** | |
| **LEL:** | Not determined |
| **UEL:** | Not determined |
| **Flammability Classification:** | Does not burn, but can emit fumes in a fire. |
| **Extinguishing Media:** | For large fires use alcohol-type or all purpose foam. For small fires use water spray, dry chemical, foam or carbon dioxide to extinguish. |
| **Unusual Fire or Explosion Hazards:** | None known |
| **Fire-Fighting Instructions;** | According to the National Fire Protection Association Guide, use water spray, dry chemical, foam or carbon dioxide. A direct stream of water or foam may cause frothing. Use water spray to disperse the vapors and to provide protection for person attempting to stop the leak. |
| **Fire-Fighting Equipment:** | Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode. |
| **Unusual Fire Fighting procedures:** | Not required |
| **Other Information:** | Products evolved when subjected to heat or combustion: carbon monoxide and carbon dioxide may be formed on burning in limited air supply. |

NFPA




## SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **Spill/Leak Procedures:** | Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing. |
| **Regulatory Requirements:** | If more than 10,539 pounds of product is spilled, then report spill according to SARA 304 and/or CERCLA 102(a) requirements, unless product qualifies for petroleum exemption (CERCLA Section 101 (14)). |

## SECTION 7 – HANDLING AND STORAGE

| | |
|---|---|
| **Handling Precautions** | Minimum feasible handling temperatures should be maintained. Empty containers contain product residue and may be dangerous. |
| **Storage Requirements:** | Periods of exposure to high temperature should be minimized. Water contamination should be avoided. Keep containers away from open flames. ETHYLENE GLYCOL BASE – Ethylene Glycol has produced birth defects in rodents. Do not store near food. |

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---|---|
| **Ventilation:** | Normal to maintain exposure below TLV |
| **Permissible Concentrations in Air:** | 10mg/cubic meter for particulate mist; 50 ppm (125 mg/cubic meter) ceiling limit for Ethylene Glycol (ACGIH 1984-1985) |
| **Respiratory Protection:** | Supplied air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. Use a NIOSH approved organic vapor and gas respirator with mist filter. |
| **Eye Protection:** | Chemical type goggles or face shield optional. |
| **Protective Clothing/Equipment:** | Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles. |
| **Work and Hygienic Practices:** | Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly. |

| | |
|---|---|
| **Safety Stations:** | Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area. |
| **Contaminated Equipment:** | Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment. |
| **Comments:** | Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. |

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance and odor:** | Clear liquid with a mild odor (may contain dye in one of several colors). |
| **Boiling Point (760 mm Hg):** | 226°F min. |
| **Freezing/Melting Point:** | -34°F max. |
| **Specific Gravity (water =1):** | 1.05 min |
| **Vapor Density (air =1):** | 1.8 |
| **Percent Volatile by Volume:** | NIL |
| **Evaporation Rate (butyl acetate =1):** | Not determined |
| **Solubility in Water (% by wt):** | 100% |
| **Vapor Pressure (at 20°C):** | 18mm Hg. |
| **pH:** | 7.5-11.0 |
| **Viscosity SUS @ 100°F** | Less than 20cst |

## SECTION 10 – STABILITY AND REACTIVITY

| | |
|---|---|
| **Stability:** | Stable |
| **Polymerization:** | Does not occur |
| **Chemical Incompatibilities:** | Normally un-reactive, but try to avoid strong oxidizers, strong acids and strong bases at high temperatures. |
| **Conditions to Avoid:** | High temperatures above 413°C (775°F) (product can decompose) |
| **Hazardous decomposition products:** | Carbon dioxide, carbon monoxide |

## SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **Eye Effects:** | Believed to cause slight eye irritation. |
| **Skin Effects:** | Can be irritating to skin upon prolonged contact |
| **Acute Inhalation Effects:** | Drowsiness, narcosis, and unconsciousness possible upon exposure to high concentrations in poorly ventilated confined spaces. |
| **Acute Oral Effects:** | Can cause irritation to mouth, throat and stomach |
| **Chronic Effects:** | Liver and kidney damage in a 2 year rat feeding study using 1-2% Ethylene Glycol. Oral administration of very high doses of Ethylene Glycol produced birth defects in laboratory animals. |
| **Carcinogenicity:** | Neither product nor its ingredients are listed by IARC, NTD or OSHA |
| **Mutagenicity:** | Not mutagenic |
| **Teratogenicity:** | Not Teratogenic |

## SECTION 12 – ECOLOGICAL INFORMATION

| | |
|---|---|
| **Ecotoxicity:** | Oral: Believed to be 4.7-8.5 g/kg (rat); moderately toxic<br>Inhalation: Not determined.<br>Dermal: Believed to be 1-3 g/kg (rabbit); slightly toxic<br>Other: Not determined.<br>Irritation Index/Estimation of Irritation (Species)<br>Skin: Believed to be 0.5-1.8/8.0 (rabbit); slightly irritating<br>Eyes: Believed to be 15-25/110 (rabbit); slightly irritating |
| **Soil Absorption/Mobility:** | Not determined |

## SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|---|---|
| **Waste Disposal Method:** | Dispose of waste in accordance with Federal, State and Local laws. |
| **Disposal Regulatory Requirements:** | Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses transformations, mixture, processes, etc., may render the resulting material hazardous (see waste classification) |
| **Container Cleaning and Disposal:** | Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations. |

## SECTION 14 – TRANSPORT INFORMATION

| | |
|---|---|
| **DOT Proper Shipping Name:** | Not regulated |
| **Shipping Symbols:** | Not applicable |
| **Hazard Class:** | Not applicable |
| **UN Number:** | Not regulated unless shipping container holds at least 10,539 pounds. |
| **Packing Group:** | Not applicable |
| **Label:** | Not applicable |
| **Special Provisions (172.102):** | Not applicable |
| **Bulk Shipments** | |
| **DOT Proper Shipping Name:** | Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol) |
| **UN Number:** | UN 3082 |
| **Label Requirement:** | Class 9, UN 3082 |

## SECTION 15 – REGULATORY INFORMATION

| | |
|---|---|
| **EPA Regulations** | |
| RCRA Hazardous Waste Number and RCRA Hazardous Waste Classification: | Unused product is not classified as a hazardous waste by RCRA criteria |
| CERCLA Hazardous Substance and CERCLA Reportable Quantity: | Does not contain any ingredients listed as a CERCLA hazardous substance. |
| SARA Toxic Chemical and SARA EHS: | Contains following substance which is listed in Title III: Ethylene Glycol.<br>SARA 313 Information:<br>SARA Hazard Category: An immediate health hazard A delayed health hazard |
| **OSHA Regulations:** | |
| **State Regulations** | |
| **Other:** | All components listed on both TSCA (USA) and DSL (Canada) inventory.<br><br>CANADIAN WHMIS CLASSIFICATION: Class D, Division 2, Subdivision B (A toxic material causing other chronic effects) |

## SECTION 16 – OTHER INFORMATION

**Additional Hazard Rating Systems:** None

**Disclaimer: THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.**

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT Company listed in Section 1. FOR FURTHER INFORMATION.

Revised 2-10-2010

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name:** Universal Single-Ply Sealant
**Synonyms:** Silyl Terminated Polyether
**Chemical Family:** Mixture
**Product Use:** Sealant
**Restrictions on Use:** For industrial use only.

**Manufacturer Information**

Carlisle SynTec
1285 Ritner Highway
Carlisle, PA 17013
USA
Phone: +1-800-479-6832
Emergency Phone #: +1-800-424-9300 (CHEMTREC)

## Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**
Hazardous classification: Irritant Category 2

**GHS Label Elements**

**Symbol(s)**

**Signal Word: Warning**

**Hazard Statement(s)**
H315 Causes skin irritation
H317 May cause allergic skin reaction
H318 Causes serious eye damage

**Precautionary Statement(s)**
P273 Avoid release into the environment
P280 Wear protective gloves/protective clothing/eye protection
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with local regulation.
**R-Phrases**

R38 Irritating to skin.
R41 Risk serious damage to eyes.
R43 May cause sensitization by skin contact.

**S-Phrases**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.
Carcinogenity: This product contains no ingredient listed as a carcinogen on California Proposition 65 list.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Component Name | Percent |
|---|---|---|
| 1760-24-3 | Amino Silane | 1-3 |

## Section 4 - FIRST AID MEASURES

**Inhalation**

An unlikely route of entry. Remove to fresh air. Consult a physician.

**Skin**

Clean product from affected area with Ethyl alcohol, then wash with soap and water.

**Eyes**

Flush with large amounts of water for at least 15 minutes. Consult a Physician if ill effects or irritation occurs.

**Ingestion**

An unlikely route of entry. Consult a physician.

## Section 5 - FIRE FIGHTING MEASURES

**Extinguishing Media**

Water, CO2, Dry Chemical, Foam.

**Unusual Fire and Explosion Hazards:** None

**Flashpoint:** N/A.

**Upper Falmmability Limit:** N/A

**Lower Flammability Limit:** N/A

**Auto Ignition Temperature:** N/A

**Sensitivity to Impact:** N/A

**Sensitivity to Static Discharge:** N/A

**Hazardous Combustion Products:** Thermal decomposition may produce toxic fumes of Carbon Monoxide, Carbon dioxide, Sulfur oxides and Hydrogen sulfide.

## Section 6 - ACCIDENTAL RELEASE MEASURES

**Handling Precautions:** Wear personal protective clothing and equipment, see Section 8. Avoid eye, skin and clothing contact.

**Cleanup:** Collect spill with absorbent material such as cardboard, allow to cure and place into a container approved for waste disposal.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - HANDLING AND STORAGE

**Handling Precautions:** Use personal protection recommended in section 8. Avoid eye, skin and clothing contact.

**Prevention of Fires and Explosions:** Product is not considered flammable under normal conditions, and product is not considered explosive.

**Storage Requirments:** Store in a cool dry area (this product polymerizes when in contact with moisture.)

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eye/face protection:** Wear safety glasses or goggles to avoid eye contact.

**Skin Protection:** Wear appropriate work clothing. Wear protective shoes. Recommended material: protective skin cream.

**Environmental Exposure Control:** No specific controls are needed.

**Hand Protection:** Wear impervious gloves such as vinyl to minimize contact with skin.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance** | Paste, mild mint scent | **Physical State** | Water Solubility: Insoluble |

| | | | |
|---|---|---|---|
| **Odor Threshold** | N/A | **pH** | N/A |
| **Melting Point** | N/A | **Flash Point** | N/A |
| **Freezing point** | N/A | **Flash Point Method** | Based on FP of the most volatile component |
| **Autoignition** | N/A | **Vapor Pressure** | <1 |
| **Lower Explosive Limit** | N/A | **Specific Gravity (water=1)** | 0.97 |
| **Upper Explosive Limit** | N/A | **% Volatile** | 2.23% |
| **Vapor Density (air=1)** | >1 | **VOC** | 21.64 g/l |
| **Density** | 8.1 lbs./gal. (calculated) | | |

**Other Information**
No additional information available.

## Section 10 - STABILITY AND REACTIVITY

**Chemical Stability**
Stable under normal conditions of use.

**Conditions to Avoid**
None Known

**Incompatible Materials**
None Known

**Hazardous decomposition products**
Thermal decomposition may produce toxic fumes of Carbon Monoxide (CO) and/or Carbon Dioxide (CO2).

## Section 11 - TOXICOLOGICAL INFORMATION

**Amino Silane (Refer to sections 2 and 3)**
Oral: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.
Skin Absorption: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.
Inhalation: LC50 Not acutely Toxic.

**Skin Direct Contact:** Slight irritation

**Eye Direct Contact:** Severe irritation. Remark: Causes corneal injury.

**Exposure Limits:** Not applicable

**Sensitization:** No

**Reproductive Toxicity:** No

**Mutagenicity:** No

**Teratogenicity:** No

**Synergistic Products:** None

## Section 12 - ECOLOGICAL INFORMATION

No known applicable information.

## Section 13 - DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.

## Section 14 - TRANSPORT INFORMATION

**Special shipping information:** None

**DOT:** Not regulated

**TDG:** Not available

**PIN:** Not available

## Section 15 - REGULATORY INFORMATION

**Rotterdam Convention (PIC) Annex III: listed (Tributyl tin compounds (impurities) <2ppm)**

**U.S. Regulatory information**

**OSHA 29 CFR 1910-1200** – Irritant.

**TSCA** – All components of this product are listed on TSCA Inventory.

**CERCLA Reportable Quantity** – Not applicable.

**SARA Title III:**

Section 302 Extremely Hazardous Substances – None.

Section 304 – Not applicable.

Section 311/312 – Immediate (acute) health hazard.

Section 313 – None.

**RCRA** – Refer to section 13.

**California Proposition 65 Carcinogens:** This product does not contain any chemicals known by the State of California to cause cancer.

**California Proposition 65 Reproductive Toxins:** This product does not contain any chemicals known by the State of California to cause reproductive harm.

**Canadian WHMIS Classification- D2B**

## Section 16 - OTHER INFORMATION

**HMIG Rating**

Health: 1 Fire: 0 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

**Summary of Changes**
Revision Date: June 1, 2018
Revision Note: General Update

**Key / Legend**
ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund

Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

**Other Information**

**Disclaimer:**

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.

# Safety Data Sheet

RUST-OLEUM CORPORATION
* Trusted Quality Since 1921 *
www.rustoleum.com

## 1. Identification

| | | | |
|---|---|---|---|
| **Product Name:** | UNVRSL +SSPR 6PK METALC PURE GOLD | **Revision Date:** | 5/12/2017 |
| **Product Identifier:** | 245221 | **Supercedes Date:** | 11/15/2016 |
| **Product Use/Class:** | Topcoat/Aerosols | | |
| **Supplier:** | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA | **Manufacturer:** | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
| **Preparer:** | Regulatory Department | | |
| **Emergency Telephone:** | 24 Hour Hotline: 847-367-7700 | | |

## 2. Hazard Identification

**Classification**

**Symbol(s) of Product**

**Signal Word**
Danger

**Possible Hazards**
31% of the mixture consists of ingredient(s) of unknown acute toxicity.

**GHS HAZARD STATEMENTS**

| | | |
|---|---|---|
| Carcinogenicity, category 1B | H350 | May cause cancer. |
| Compressed Gas | H280 | Contains gas under pressure; may explode if heated. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Flammable Aerosol, category 1 | H222 | Extremely flammable aerosol. |
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| STOT, repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness. |

**GHS LABEL PRECAUTIONARY STATEMENTS**

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P264 | Wash hands thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |

| | |
|---|---|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P410+P403 | Protect from sunlight. Store in a well-ventilated place. |
| P410+P412 | Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F. |
| P501 | Dispose of contents/container in accordance with local, regional and national regulations. |

## 3. Composition/Information On Ingredients

HAZARDOUS SUBSTANCES

| Chemical Name | CAS-No. | Wt.% Range | GHS Symbols | GHS Statements |
|---|---|---|---|---|
| Acetone | 67-64-1 | 25-50 | GHS02-GHS07 | H225-319-332-336 |
| Propane | 74-98-6 | 10-25 | GHS04 | H280 |
| n-Butane | 106-97-8 | 2.5-10 | GHS04 | H280 |
| n-Butyl Acetate | 123-86-4 | 2.5-10 | GHS02-GHS07 | H226-336 |
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | 2.5-10 | GHS02-GHS07 | H226-315-319-332 |
| Naphtha, Petroleum, Hydrotreated Light | 64742-49-0 | 2.5-10 | GHS08 | H304 |
| Ethylbenzene | 100-41-4 | 1.0-2.5 | GHS02-GHS07-GHS08 | H225-304-332-351-373 |
| Propylene Glycol Monobutyl Ether | 5131-66-8 | 1.0-2.5 | GHS07 | H302-315-319 |
| Stoddard Solvent | 8052-41-3 | 0.1-1.0 | GHS08 | H304-372 |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 0.1-1.0 | GHS07-GHS08 | H304-332-340-350 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 0.1-1.0 | GHS07 | H302-312-315-319-332 |
| Ethanol | 64-17-5 | 0.1-1.0 | GHS02 | H225 |
| bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | 41556-26-7 | 0.1-1.0 | GHS07 | H317 |

## 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

## 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN 20°F. EXTREMELY FLAMMABLE LIQUID AND VAPOR!Water spray may be ineffective. Closed containers may explode when exposed to extreme heat due to buildup of steam. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of flammable aerosols. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials.

## 8. Exposure Controls/Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA | OSHA PEL-CEILING |
|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 30.0 | 250 ppm | 500 ppm | 1000 ppm | N.E. |
| Propane | 74-98-6 | 25.0 | N.E. | N.E. | 1000 ppm | N.E. |
| n-Butane | 106-97-8 | 10.0 | N.E. | 1000 ppm | N.E. | N.E. |
| n-Butyl Acetate | 123-86-4 | 10.0 | 50 ppm | 150 ppm | 150 ppm | N.E. |
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | 10.0 | 100 ppm | 150 ppm | 100 ppm | N.E. |
| Naphtha, Petroleum, Hydrotreated Light | 64742-49-0 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Ethylbenzene | 100-41-4 | 5.0 | 20 ppm | N.E. | 100 ppm | N.E. |
| Propylene Glycol Monobutyl Ether | 5131-66-8 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Stoddard Solvent | 8052-41-3 | 1.0 | 100 ppm | N.E. | 500 ppm | N.E. |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 1.0 | N.E. | N.E. | N.E. | N.E. |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 1.0 | 20 ppm | N.E. | 50 ppm | N.E. |
| Ethanol | 64-17-5 | 1.0 | N.E. | 1000 ppm | 1000 ppm | N.E. |
| bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | 41556-26-7 | 1.0 | N.E. | N.E. | N.E. | N.E. |

**PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

| | | | |
|---|---|---|---|
| **Appearance:** | Aerosolized Mist | **Physical State:** | Liquid |
| **Odor:** | Solvent Like | **Odor Threshold:** | N.E. |
| **Relative Density:** | 0.729 | **pH:** | N.E. |
| **Freeze Point, °C:** | N.D. | **Viscosity:** | N.D. |
| **Solubility in Water:** | Slight | **Partition Coefficient, n-octanol/ water:** | N.D. |
| **Decompostion Temp., °C:** | N.D. | | |
| **Boiling Range, °C:** | -37 - 537 | **Explosive Limits, vol%:** | 0.9 - 13.0 |
| **Flammability:** | Supports Combustion | **Flash Point, °C:** | -96 |
| **Evaporation Rate:** | Faster than Ether | **Auto-ignition Temp., °C:** | N.D. |
| **Vapor Density:** | Heavier than Air | **Vapor Pressure:** | N.D. |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C). Avoid contact with strong acid and strong bases. Avoid all possible sources of ignition.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

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

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes Serious Eye Irritation

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B).

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

**The acute effects of this product have not been tested. Data on individual components are tabulated below:**

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 |
|---|---|---|---|---|
| 67-64-1 | Acetone | 5800 mg/kg Rat | >15700 mg/kg Rabbit | 50.1 mg/L Rat |
| 74-98-6 | Propane | N.I. | N.I. | 658 mg/L Rat |
| 106-97-8 | n-Butane | N.I. | N.I. | 658 mg/L Rat |
| 123-86-4 | n-Butyl Acetate | 10768 mg/kg Rat | >17600 mg/kg Rabbit | > 21 mg/L Rat |
| 1330-20-7 | Xylenes (o-, m-, p- isomers) | 3500 mg/kg Rat | >4350 mg/kg Rabbit | 29.08 mg/L Rat |
| 64742-49-0 | Naphtha, Petroleum, Hydrotreated Light | >5000 mg/kg Rat | >3160 mg/kg Rabbit | >4951 mg/L Rat |
| 100-41-4 | Ethylbenzene | 3500 mg/kg Rat | 15400 mg/kg Rabbit | 17.4 mg/L Rat |
| 5131-66-8 | Propylene Glycol Monobutyl Ether | 1900 mg/kg Rat | N.I. | N.I. |
| 64742-95-6 | Solvent Naphtha, Light Aromatic | 8400 mg/kg Rat | >2000 mg/kg Rabbit | N.I. |
| 111-76-2 | Ethylene Glycol Monobutyl Ether | 470 mg/kg Rat | 1,060 mg/kg Rabbit | 11 mg/L |

| | | | | |
|---|---|---|---|---|
| 64-17-5 | Ethanol | 7060 mg/kg Rat | 15,800 mg/kg Rabbit | 30,000 mg/l Rat |
| 41556-26-7 | bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | 2615 mg/kg Rat | N.I. | N.I. |

N.I. - No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

| | Domestic (USDOT) | International (IMDG) | Air (IATA) | TDG (Canada) |
|---|---|---|---|---|
| **UN Number:** | N.A. | 1950 | 1950 | N.A. |
| **Proper Shipping Name:** | Paint Products in Limited Quantities | Aerosols | Aerosols | Paint Products in Limited Quantities |
| **Hazard Class:** | N.A. | 2.1 | 2.1 | N.A. |
| **Packing Group:** | N.A. | N.A. | N.A. | N.A. |
| **Limited Quantity:** | Yes | Yes | Yes | Yes |

## 15. Regulatory Information

### U.S. Federal Regulations:

**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

**Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| Chemical Name | CAS-No. |
|---|---|
| Xylenes (o-, m-, p- isomers) | 1330-20-7 |
| Ethylbenzene | 100-41-4 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 |

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

## 16. Other Information

HMIS RATINGS

| Health: | 2* | Flammability: | 4 | Physical Hazard: | 0 | Personal Protection: | X |
|---|---|---|---|---|---|---|---|

NFPA RATINGS

| Health: | 2 | Flammability: | 4 | Instability | 0 |
|---|---|---|---|---|---|

VOLATILE ORGANIC COMPOUNDS, g/L: 553

SDS REVISION DATE: 5/12/2017

REASON FOR REVISION: Product Composition Changed
Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

UTILITY ENTERPRISES, INC.
700 MAIN STREET, WESTBURY, NY 11590
(516) 997-6300 - FAX # (516) 997-6345

**MATERIAL SAFETY DATA SHEET**

# UTILITY TRAP SEAL

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure, or Accident - Call **INFOTRAC** - Day or Night: **1-800-535-5053**
*THIS MSDS COMPLIES WITH 29 CFR 1910.1200* (HAZARD COMMUNICATION STANDARD) **IMPORTANT**: Read this MSDS before handling & disposing of this product. Pass this information on to employees, customers and users of this product.

## PRODUCT IDENTIFICATION

**DOT Shipping name:** Cleaning Compound NOI
**Chemical Family:** Petroleum Hydrocarbons
**DOT Hazard Class:** Not Regulated
**CAS NO.:** MIXTURE
**UN/NA#: N/A**
**DATE OF ISSUE: 6/15**

## SECTION I - INGREDIENTS/EXPOSURE LIMITS

| Ingredients: | CAS # | TLV/PEL | AGENCY | TYPE | SARA-313(% Range) |
|---|---|---|---|---|---|
| WHITE MINERAL OIL | 8042-47-5 | NO LIMIT | OSHA | PEL | N/A |

## SECTION II - EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT**: Flush eyes with clean low- pressure water for at least 15 minutes, occasionally lifting the eyelids. **Seek medical attention.**

**SKIN CONTACT**: Remove by wiping; then wash with plenty of soap and water. If irritation persists **seek medical attention.** Remove contaminated clothing and thoroughly clean before reuse. Discard contaminated leather gloves and shoes.

**INHALATION: (breathing)** Vaporization is not expected at ambient temperatures, but should inhalation occur, immediately remove Personnel from contaminated area to fresh air.

**INGESTION: (swallowing)** No significant signs or symptoms indicative of any adverse health effects are expected; but do not induce Vomiting, since aspiration into the lungs may cause lipoid pneumonia.

## SECTION III - HEALTH HAZARDS / ROUTES OF ENTRY

**EYE CONTACT:** No irritation is expected from short-term exposure.

**SKIN CONTACT:** No irritation is expected from short-term exposure

**INHALATION: (breathing)** No significant adverse health effects are are expected to occur upon short-term exposure.

**INGESTION: (swallowing)** Ingestion will produce a cathartic (laxative) effect and may be irritating to the digestive tract. Aspiration into lungs will cause lipoid pneumonia.

## SECTION IV - SPECIAL PROTECTION INFORMATION

**VENTILATION:** If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good Engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

**RESPIRATORY PROTECTION**: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated When the material is heated or handled, use an organic vapor respirator with a dust or mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon Atmospheres.

**SKIN PROTECTION**: No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use Impervious clothing (boots, gloves, aprons etc.) over parts of the body subject to exposure. If handling hot Material, use insulated protective clothing.

**EYE PROTECTION**: Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed Eyes, wear plastic face shield or splash-proof safety goggles.

## SECTION V - REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY**: (materials to avoid) Strong acids and oxidizers such as liquid chlorine and oxygen

**HAZARDOUS DECOMPOSITION PRODUCTS**: Burning or excessive heating may produce carbon monoxide and other harmful Substances.

**HAZARDOUS POLYMERIZATION**: Not expected to occur.

## SECTION VI - SPILL OR LEAK PROCEDURES

**PRECAUTIONS IN CASE OF LEAK OR SPILL**: Contain spill and prevent from entering sewers and other bodies if possible. Safely stop flow of spill. Spill may create slipping hazards. Evacuate all non-essential personnel from the spill area. In urban areas, cleanup as soon as possible; In natural environments, cleanup on advise from Ecologists. This material will float on water. Absorbant materials and pads can be used. Comply with all applicable laws. Spills may need to be reported to the National Response center (800-424-8802). This material has low probability of toxic impacts. Only limited and localized damage would Be expected.

**WASTE DISPOSAL METHOD**: Maximize product recovery for reuse or recycling. Conditions of use may cause this material to become A "hazardous waste", as defined by State or Federal laws. Use approved treatment, transportors, and disposal sites in compliance

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## UTILITY TRAP SEAL

With all applicable laws. If spill is introduced into a waste-water treatment system, chemical and biological oxygen demand will likely increase. Spill material is biodegradable is gradually exposed to micro-organisms. Potenial treatment and disposal Methods include land farming. Incineration, and land disposal, if permitted.

## SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

**HANDLING AND STORAGE PRECAUTIONS**: Keep containers closed. Store and handle so as to prevent contamination from any Source, especially when this material will be used in applications covered by Food and Drug Administration regulations 21 CFR 172.878 (C) and 178.3620 (A).

## SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

**EXTINGUISHING MEDIA**: Extinguish with dry chemical, $CO_2$, or a universal type foam or water spray.

**FIRE AND EXPLOSION HAZARD**: Slightly combustible ! OSHA/NFPA class-IIIB combustible liquid. When heated above its flash point, this material will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to an Ignition source. Mists or sprays may be flammable at temperatures below the normal flash point. Keep away from extreme heat and open flame.

**FIRE FIGHTING PROCEDURES**: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water. Burning liquid will float on water. Notify appropriate authorities if liquid enters sewer/waterways.

## SECTION IX - PHYSICAL DATA

**APPROXIMATE BOILING POINT (DEG F):** 575-800°F
**SPECIFIC GRAVITY (68 F):** .85
**RELATIVE EVAPORATION RATE (ESTIMATED):** <1
**VAPOR PRESSURE @20C mmHg (CALCULATED):**<1
**PER CENT VOLATILE:** Negligible
**FLASH POINT (TCC, DEG F):** 365 deg F
**PERCENT SOLUBILITY IN WATER:** Negligible

## SECTION X - OTHER REGULATORY DATA

**SARA**

*SECTION* 302: NOT LISTED
*SECTION* 311 & 312: Not applicable
*SECTION* 313: not applicable

**HMIS**

| | |
|---|---|
| Health: | 0 |
| Flammability: | 1 |
| Reactivity: | 0 |

**TSCA**

**All components are in full compliance with the TSCA inventory.**

**CALIFORNIA PROPOSITION 65**

NOT LISTED

**RCRA**

Waste material would be a D001

**CERCLA**

NOT LISTED

**CARCINOGENICITY:**

NOT LISTED with NTP or IARC.

*NOTICE*



25-4910

SAFETY DATA SHEET
Utrecht Gesso Painting Grounds

SDS 908.5

## Section 1 – Company and Product Identification

Product Name: Utrecht Painting Grounds

Product Line: Utrecht Professional Acrylic Gesso
Utrecht Artists' Acrylic Gesso
Utrecht Studio Acrylic Gesso
Utrecht Artists' Acrylic Black Gesso
Utrecht Acrylic Sizing
See Appendix A for the item numbers and pigments of Utrecht Acrylic Gesso Painting Grounds.

Company: Utrecht Art Supply, 6 Corporate Drive, Cranbury, NJ 08512
Phone: 800-223-9132; 609-409-8002

## Section 2 – Hazard Identification (composition / information on ingredients)

OSHA GHS Classification (29 CFR 1910.1200 Hazard Communication Standards)

**Signal Word** – Warning (for titanium dioxide and carbon black; see "Composition of Pigments, page 5)

**Hazard Statements -** May be harmful if swallowed.

**Hazard Categories –** Not determined

**Precautionary Statements –** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust, spray, mist, or vapors. Use in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Storage and Disposal** – See Section 7 and 13.

**Other Hazards** – See Section 11 and 12.

Gesso Painting Grounds: Gesso's; Black Gesso; Acrylic Canvas Sizing
Safety Data Sheet

**Formulation overview -** Utrecht Acrylic Gesso Painting Grounds are formulated in an acrylic binder and contains pigments such as titanium dioxide and calcium carbonate.

The Consumer Product Safety Commission (CPSC) mandates the Labeling of Hazardous Art Materials Act (LHAMA) that all warnings & precautions are on the product labels if applicable.

## Section 3 – Hazardous Component Information (hazard identification)

Appendix A lists Utrecht Acrylic Gesso Painting Grounds Toxicity. The Risk Characterization process is noted in the preamble to Appendix A. In general, there is low risk of toxicity from skin exposure. Some Grounds contain titanium dioxide and carbon black; these require a PROP65 label warning.

## Section 4 – First Aid Measures

For overexposure due to accidental ingestion or inhalation, treat symptomatically. Adverse effects from skin exposure, (the expected route of exposure in normal use), are not expected.

| | |
|---|---|
| Inhalation | If person is showing adverse effects in situations where dust from residue ground is being generated or the product is being sprayed without respiratory protection, remove person to fresh air. Seek medical help if recovery is not immediate. |
| Ingestion | Treat symptomatically; do not induce vomiting; seek medical help. |
| Skin Contact | Wash skin with soap and water. If ground has dried, first scrape residue off with a stiff hand brush or other appropriate instrument. |
| Eye Contact | Flush eyes for up to 15 minutes with water; if irritation persists, seek medical help. |

## Section 5 – Fire Fighting Measures

Utrecht Acrylic Gesso Painting Grounds are water-based and are not flammable.

| | |
|---|---|
| Flash point, °C: | NA |
| Auto-ignition Temperature: | NA |
| Lower explosive limit: | NA |
| Upper explosive limit: | NA |

Extinguishing media (general): Carbon dioxide, foam, dry chemical

## Section 6 – Accidental Release Measures

Spill Procedure: Contain spillage; use dustless methods for cleanup.

## Section 7 – Handling and Storage

Gesso Painting Grounds: Gesso's; Black Gesso; Acrylic Canvas Sizing
Safety Data Sheet

Store at room temperature (avoid freezing).
Do not contaminate food products.
Wash hands after use.
Avoid eye contact.

**Section 8 – Exposure Control/Personal Protection**

Normal usage of Utrecht Painting Grounds does not require special Personal Protection Equipment, (PPE). Disposable gloves are recommended to minimize skin contact. ). Remove residues on hands by washing. Do not use solvents on skin. Do not sand previous paintings without respirator protection.

**Section 9 – Physical/Chemical Properties**

Utrecht Painting Grounds are acrylic-based formulations. Some include white or black pigments, (see Appendix A).

**Section 10 – Stability and Reactivity**

Utrecht Painting Grounds are considered stable and non-reactive.

**Section 11 – Toxicology Information**

Utrecht Painting Grounds have low toxicity. Grounds can be applied by brush, priming knife, or roller. Avoid inhalation exposure by wearing respiratory protection if previously applied dried Ground is sanded. Appendix A lists the Utrecht Acrylic Gesso Painting Grounds and their associated Color Index. In general, these Grounds are considered non-toxic at the anticipated levels of exposure, (i.e., skin exposure, generally restricted to the hands). Note the PROP65 warning based on titanium dioxide inhalation hazard.

**Section 12 – Ecological Information**

Toxicity to animals, fish and insects is not available.
Data on persistence, bioaccumulation potential and mobility in soil are not available.

**Section 13 – Disposal Considerations**

Under typical use situations, Utrecht Painting Grounds should be used up rather than disposed. Dispose of as a dry waste solid. Grounds are not considered hazardous waste.

**Section 14 – Transport Information**

No restrictive Department of Transportation requirements; not hazardous for shipping

Gesso Painting Grounds: Gesso's; Black Gesso; Acrylic Canvas Sizing
Safety Data Sheet

**Section 15 – Regulatory Information**

The U.S. Consumer Product Safety Commission (CPSC) is an independent regulatory agency charged with protecting the public from unreasonable risks of injury or death associated with consumer products. The CPSC requires labeling of art materials that have the potential to cause adverse chronic health effects under the Federal Hazardous Substances Act (FHSA). Specifically, an amendment to the FHSA, the Labeling of Hazardous Art Materials Act (Public Law 100-695) or "LHAMA" made mandatory many of the requirements of the labeling of art materials as set forth in the ASTM International (ASTM) standard designated D-4236-88 [U.S.C. 1277]. ASTM D-4236 outlines procedures for developing precautionary labels for art materials that have the potential to produce chronic adverse health effects [16 CFR §1500.14(b)(8)(i)].

Product labeling conforms to ASTM 4236.

**Section 16 – Other Information**

SDS prepared by Elliot Gordon, PhD, DABT, Elliot Gordon Consulting, LLC, 55 Lillie Street, Princeton Junction, NJ 08550 (609-936-1977; SoundScience@comcast.net).

Date of revision: April 9, 2015

Gesso Painting Grounds: Gesso's; Black Gesso; Acrylic Canvas Sizing
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**Appendix A: Product Identity and Primary Pigments (Color Index)**

| Product | Item Number | Size | Color Index |
|---|---|---|---|
| Acrylic Canvas Sizing | 6326 | Pint | NA_(1) |
| Artists' Black Gesso | 9004 | Pint | PBk7, PBk9 |
| | 9006 | Quart | |
| Artists' Gesso | 9001 | Pint | PW6, PW18 |
| | 9000 | Gallon | |
| Professional Gesso | 5202 | Pint | PW6, PW18 |
| | 5102 | Gallon | |
| Rabbit Skin Glue | 34361 | 1 lb. | NA_(2) |
| Studio Series Acrylic Gesso | 9007 | Pint | NA_(3) PW6, PW18 |
| | 9002 | Gallon | |

**Composition of Components**

| Color Index | Pigment / component | CAS |
|---|---|---|
| NA_(1) | Acrylic Polymer Emulsion | 25852-37-3<br>1336-21-6<br>7732-16-5 |
| NA_(2) | Refined collagen, acting as both sizing and adhesive | 92113-31-0; 9001-12-1 |
| NA_(3) | Calcium carbonate | 471-34-1 |
| PBk7 | Lamp black | 1333-86-4 |
| PBk9 | Bone Black / Amorphous Charred-bone Carbon | 8021-99-6 |
| PW6 | Titanium Dioxide | 13463-67-7 |
| PW18 | Calcium Carbonate / Chalk | 471-34-1 |

Gesso Painting Grounds: Gesso's; Black Gesso; Acrylic Canvas Sizing
Safety Data Sheet

Appendix B: Utrecht Acrylic Gesso Painting Grounds with PROP65 label warning.

**Titanium Dioxide**[1]
**Color Index: PW6**
*Label warning:* WARNING: DO NOT SPRAY APPLY This product contains titanium dioxide, a chemical known to the State of California to cause cancer.

**Products:**
Artists Gesso
Oil Priming White
Professional Gesso

[1] Airborne, unbound particles of respirable size, listed 9/2/2011, CAS 13463-67-7.