

## Material Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: None

PRODUCT NAME: **Ace All Season Compressor Oil**

COMPANY: OLYMPIC OIL, LTD.  
5000 W. 41<sup>st</sup> St.  
Cicero, IL 60804  
Phone: 708-876-7900 (M-F 6:00 A.M. - 4:30 P.M.)

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

| <u>COMPONENT (S)</u>  | <u>CAS#</u> | <u>EXPOSURE LIMITS</u>  | <u>%WT</u><br>(Approx.) |
|---|-------------|---|-------------------------|
| Severely Solvent<br>Refined Heavy<br>Paraffinic Petroleum<br>Oil    | 64741-88-4  | Oil Mist<br>PEL (5mg/m <sup>3</sup> ); TLV (5mg/m <sup>3</sup> )<br>STEL (10mg/m <sup>3</sup> ) | 70 - 80                 |
| Additive Mixture<br>(This may not be a complete list of components) | Proprietary | Not Established   | 20 - 30                 |

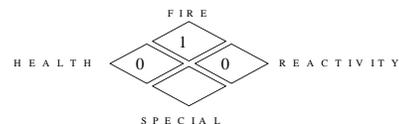
### 3. HAZARDS INFORMATION

#### **EMERGENCY OVERVIEW**

#### **POTENTIAL HEALTH EFFECTS:**

- May cause skin irritation
- May cause eye irritation

Hazard Rating:  
4 - Extreme  
3 - High  
2 - Moderate  
1 - Slight  
0 - Insignificant



### 4. FIRST AID MEASURES

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

**SKIN CONTACT:** Wash skin thoroughly with plenty of soap and water. Immediately remove contaminated clothing. Launder contaminated clothing before reuse. Discard contaminated leather gloves and shoes. If irritation persists, get medical attention.

**INGESTION: DO NOT INDUCE VOMITING.** If more than a half-cup full of this material is swallowed, give quantities of water and obtain medical attention. Do not give anything by mouth to an unconscious person.

**INHALATION:** Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under the anticipated conditions of use. At elevated temperatures, trace amounts of hydrogen sulfide may be evolved. Indications of overexposure to hydrogen sulfide include respiratory tract irritation, headache, dizziness, coughing, bronchial irritation and dryness, and in sufficient quantities, unconsciousness. In case of overexposure, move person to fresh air.

**NOTE TO PHYSICIAN:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### **FLAMMABLE PROPERTIES:**

FLASH POINT: 406°F. (208°C) METHOD: COC D92

### **FLAMMABLE LIMITS:**

Lower Flammable Limit: Not Determined (N/D)

Upper Flammable Limit: Not Determined (N/D)

AUTOIGNITION TEMPERATURE: N/D °F (N/D °C)

### **HAZARDOUS COMBUSTION PRODUCTS:**

Burning or excessive heating may produce carbon monoxide, carbon dioxide and other harmful gases/vapors of incomplete combustion including the oxides of nitrogen, zinc, sulfur and phosphorous. Trace amounts of hydrogen sulfide may also be released.

### **EXTINGUISHING MEDIA:**

Carbon dioxide, dry chemical, foam or water spray. Water is ineffective but may be used to cool exposed containers; may cause frothing and splattering.

### **FIRE FIGHTING INSTRUCTIONS:**

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 exposed containers with water. Material will float on water.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:**

Personal protective equipment must be worn (see Person Protection section for recommendations). Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container. Use caution, material may present a slipping hazard.

**LARGE SPILL:**

Contain spill and prevent it from entering all water bodies, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate spill area. Ventilate area if spilled in a confined space or other poorly ventilated areas. In natural environments, get advice from ecologists on clean-up procedures. This material will float on water. Absorbent materials and pads can be used. Maximize product recovery for reuse or recycling. Transfer liquids and solid diking material to separate, suitable containers for recovery or disposal. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800-424-8802).

**7. HANDLING AND STORAGE**

**HANDLING:**

Keep away from heat, sparks and flame. Trace amounts of hydrogen sulfide may be present. Keep containers closed when not in use. Hands should be washed thoroughly after handling. To avoid product degradation, avoid water contamination. Empty containers contain residue, which may exhibit the hazards of the product. Do not attempt to refill or clean containers since residue is difficult to remove.

**STORAGE:**

**KEEP OUT OF REACH OF CHILDREN!** To avoid product degradation, water contamination should be avoided and minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized.

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

**1 ENGINEERING CONTROLS:**

Use adequate ventilation to keep oil mists of this material below applicable guideline(s)/standard(s).

## 2 RESPIRATORY PROTECTION:

Under normal conditions, a respirator is not required. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment. At elevated temperatures trace amounts of hydrogen sulfide may evolve. OSHA STEL is 15 ppm, IDLH is 300 ppm and ACGIH is 10 ppm for hydrogen sulfide.

## 3 SKIN PROTECTION:

Use chemical resistant gloves to avoid prolonged or repeated skin contact. Gloves should be replaced if signs of degradation or chemical breakthrough occur. Long sleeve shirt is recommended. When leaving work area, wash hands/exposed skin with soap and water.

## 4 EYE PROTECTION:

Use splash goggles or face shield. Eye wash water should be available. Hard contact lenses should not be worn.

## 9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

|                        |                       |                                  |                       |
|------------------------|-----------------------|----------------------------------|-----------------------|
| <b>APPEARANCE:</b>     | <u>Yellow</u>         | <b>BOILING POINT:</b>            | <u>Not Determined</u> |
| <b>ODOR:</b>           | <u>Mild</u>           | <b>SOLUBILITY IN WATER:</b>      | <u>Not Determined</u> |
| <b>PHYSICAL STATE:</b> | <u>Liquid</u>         | <b>SPECIFIC GRAVITY:</b>         | <u>0.87 - 0.89</u>    |
| <b>VAPOR PRESSURE:</b> | Not <u>Determined</u> | <b>VISCOSITY @ 100 °C (cSt):</b> | <u>9.8 – 12.0</u>     |
| <b>VAPOR DENSITY:</b>  | Not <u>Determined</u> | <b>PERCENT VOLATILE:</b>         | <u>Negligible</u>     |

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY (CONDITIONS TO AVOID):** Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.

**INCOMPATIBILITY:** Strong oxidizing agents

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Mild eye irritation may occur upon short-term exposure. Based on component data.

**SKIN EFFECTS:** Mild skin irritation may occur upon short-term exposure. Long-term exposure may cause redness, edema, drying and cracking of skin. Based on component data.

**ACUTE ORAL EFFECTS:** No significant adverse health effects are expected to occur upon short-term exposure. Based on component data.

**ACUTE INHALATION EFFECTS:** No significant adverse health effects are expected to occur under normal conditions of use. At elevated temperatures, trace amounts of hydrogen sulfide may evolve. Indications of overexposure to hydrogen sulfide include respiratory tract irritation, headache, dizziness, coughing, bronchial irritation and dryness, and in sufficient quantities, unconsciousness. Exposure to petroleum mist at high levels may be irritating to the nose, throat and lungs. Based on component data.

**CHRONIC TOXICITY:** No Data

**CARCINOGENICITY:** This product is formulated with mineral oils, which are considered to be severely refined and not considered to be carcinogenic under IARC. The oils used in this product have not been evaluated by the IP346 test.

**MUTAGENICITY:** No Data

**TERATOLOGY (BIRTH DEFECT) INFORMATION:** No Data

**REPRODUCTION INFORMATION:** No Data

## **12. ECOLOGICAL INFORMATION**

The spilled material and any soil or water that it has contaminated may be hazardous to animal/aquatic life.

**CHEMICAL FATE INFORMATION:** Not determined.

## **13. DISPOSAL CONSIDERATIONS**

To determine the proper method of disposal, refer to RCRA (40 CFR 261) as well as federal EPA and state and local regulations. Conditions of use may cause this material to become a "Hazardous Waste", as defined by state or

federal laws. Use approved treatment, transporters and disposal sites in compliance with all applicable laws.

#### 14. TRANSPORT INFORMATION

**DOT Hazard Class:** Not Regulated

**UN/NA Number:** Not Regulated

#### 15. REGULATORY INFORMATION

**SUPERFUND AMMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III:** This product contains less than 1.0% zinc and less than 1% magnesium.

**SARA Extremely Hazardous list:** This product does not contain greater than 1.0% of any chemical on the SARA Extremely Hazardous list.

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All components of this product are listed on the TSCA inventory.

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA):** This product contains less than 1.0% zinc and less than 1% magnesium.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65:** Based on information currently available, this product is not known to contain the chemicals known to the state of California to cause cancer or reproductive toxicity. If this product is reformulated or further processed, further evaluation should be done based upon such reformulation or processing, as well as upon its final composition and use.

#### 16. OTHER INFORMATION

##### **DISCLAIMER OF LIABILITY**

The information in this MSDS was obtained from sources, which we believe are reliable. ***HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.*** The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. ***FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF***

***OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF 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 be applicable.

Date: 01 July 2003

Revision Date: 25 June 1999

# PRODUCT SAFETY SHEET

## SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: ULTRA SHEEN

PRODUCT I.D. NUMBER (PIN): N.A.

H.M.I.S.

PRODUCT USE: Ultra high speed floor finish

WHMIS CLASS: D2B

DOT HAZARD CLASS: Non-Regulated

COMPANY:

BALL CHEMICAL & EQUIPMENT  
5380 BROOKPARK ROAD  
CLEVELAND, OH 44134-1091

DOT SHIPPING NAME:

N.A.

EMERGENCY PHONE: 800-843-6174

|   | HEALTH                      | HAZARD RATING              |
|---|-----------------------------|----------------------------|
| 1 | HEALTH                      |                            |
| 0 | FIRE                        | 4 = Extreme<br>3 = High    |
| 0 | REACTIVITY                  | 2 = Moderate<br>1 = Slight |
| B | MAXIMUM PERSONAL PROTECTION | 0 = Insignificant          |

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. - Not Applicable N.E. = Not Established N.D. = Not Determined

## SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

| HAZARDOUS CHEMICAL IDENTITY       | CAS NO.   | %     | PEL  | TLV  | LD50     | LC50   |
|-----------------------------------|-----------|-------|------|------|----------|--------|
| Water                             | 7732-18-5 | 40-70 | N.E. | N.E. | N.D.     | N.D.   |
| Diethylene glycol monoethyl ether | 111-90-0  | 3     | N.E. | N.E. | 5.4g/kg  | N.D.   |
| Tributoxyethyl phosphate          | 78-51-3   | 1-5   | N.E. | N.E. | 9.49g/kg | 30mg/l |
| Acrylic emulsion polymer          | N.A.      | 15-40 | N.E. | N.E. | >5g/kg   | N.D.   |
| Polyethylene emulsion             | N.A.      | 7-13  | N.E. | N.E. | N.D.     | N.D.   |

This mixture contains 3% Diethylene glycol monoethyl ether which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

## SECTION 3 - PHYSICAL DATA

**Color:** Milky **Boiling Point:** 100°C (212°F) **Vapor Pressure:** <30 mm of Hg **pH:** 8.3 - 8.8  
**Odor:** Bland **Freezing Point:** 0°C (32°F) **Vapor Density (Air=1):** <1 **1% pH:** N.A.  
**Physical State:** Liquid **Water/Oil Distribution:** N.E. **Evaporation Rate (Water=1):** N.E. **Specific Gravity:** 1.02 gm/ml  
**Solubility in Water:** Miscible **Odor Threshold:** N.E. **\* VOC Content:** 4.7% **Weight per Gallon:** 8.54 lbs./gal.

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

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** N.A. **Autoignition Temperature:** N.A. **Extinguishing Media:** Use dry chemical or CO<sub>2</sub>.  
**Flammable Limits:** N.A. **LEL:** N.A. **UEL:** N.A. **Special Fire Fighting Procedures:** None.  
**Hazardous Combustion Products:** N.A. **Unusual Fire and Explosion Hazards:** None.

## SECTION 5 - REACTIVITY DATA

**Chemical Stability:** Stable. **Hazardous decomposition of By-Products:** None known.  
**Incompatibility (Materials to Avoid):** None known. **Hazardous Polymerization:** Will not occur.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

**Routes of Entry:** Ingestion. **Toxicologically Synergistic Products:** None known.  
**Sensitization:** No. **Medical Conditions Aggravated by Exposure:** None known.  
**EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):**  
**Eyes:** Direct contact may cause irritation. **Carcinogenic Effects:** NO carcinogenic effect.  
**Skin:** Prolonged or repeated contact may cause irritation. **Mutagenic Effects:** NO mutagenic effect.  
**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhea. **Teratogenic Effects:** NO teratogenic effect.  
**Inhalation:** Prolonged exposure in poorly ventilated area may cause respiratory irritation. **Reproductive Toxicity:** NO reproductive toxicity effect.

## SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** None normally required with adequate ventilation. **Ventilation:** Local Exhaust: N.A. Mechanical: Acceptable  
**Protective Gloves:** Rubber to protect sensitive skin. **Eye Protection:** As required to prevent splashing into eyes.  
**Protective Clothing and Equipment:** As needed to prevent wetting of clothing. **Work and Hygienic Practices:** Avoid contact with eyes, skin and clothing.  
**Storage Requirements:** Store in cool, dry area. Follow good housekeeping practices. **Other Requirements:** Keep out of reach of children.

**Steps to be Taken if Material is Spilled or Released:** Collect and reuse if possible. Flush to sewer with large quantities of water if permitted by regulatory authorities or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

**Waste Disposal:** Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

## SECTION 8 - EMERGENCY FIRST AID PROCEDURES

**FIRST AID - NOTES TO PHYSICIAN:**

**Eyes:** Flush with a large amount of water for 15 minutes holding eyelids open.

**Skin:** Wash with mild soap and water.

**Ingestion:** Give 2-3 large glasses of water. Seek medical attention.

**Inhalation:** Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.

**Note to Physician:** No additional information.

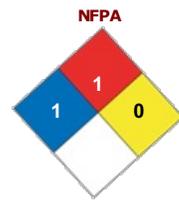
## SECTION 9 - PREPARATION INFORMATION

**Prepared By:** Regulatory Affairs Department

**Phone:** 216-398-8484

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

Product Name: **BEHR® 1-Coat Interior Flat White Ceiling Paint B1-50**  
 MSDS Manufacturer Number: B1-50  
 Manufacturer Name: BEHR Process Corporation  
 Address: 3400 W. Segerstrom Avenue  
 Santa Ana, CA 92704  
 General Phone Number: (714) 545-7101  
 General Fax Number: (714) 241-1002  
 Customer Service Phone Number: (800) 854-0133 ext. 2  
 CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300  
 Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)  
 MSDS Creation Date: June 26, 2006  
 MSDS Revision Date: March 09, 2008  
 MSDS Format: According to ANSI Z400.1-2004



**HMS**

|                     |   |
|---------------------|---|
| Health Hazard       | 1 |
| Fire Hazard         | 1 |
| Reactivity          | 0 |
| Personal Protection |   |

\* Chronic Health Effects

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                         | CAS#       | Ingredient Percent |
|---------------------------------------|------------|--------------------|
| Clay (kaolin)                         | 1332-58-7  | 10 - 30 by weight  |
| Undisclosed/Proprietary               | No data    | 1 - 5 by weight    |
| Flux Calcined Diatomaceous Earth (DE) | 68855-54-9 | 1 - 5 by weight    |
| Ethylene glycol                       | 107-21-1   | 1 - 5 by weight    |
| Amorphous silica                      | 7631-86-9  | 0.1 - 1 by weight  |
| Non hazardous ingredients             | No data    | 30 - 60 by weight  |
| Hydrated aluminum-magnesium silicate  | 12174-11-7 | 0.1 - 1 by weight  |
| Silica, crystalline - cristobalite    | 14464-46-1 | 1 - 5 by weight    |
| Styrene/acrylic copolymer             | No data    | 1 - 5 by weight    |
| Titanium dioxide                      | 13463-67-7 | 10 - 30 by weight  |
| Vinyl acrylic polymer                 | No data    | 5 - 10 by weight   |

**SECTION 3 - HAZARDS IDENTIFICATION**

Emergency Overview: Irritant.  
 Potential Health Effects:  
     Eye: May cause irritation.  
     Skin: May cause irritation.  
     Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.  
     Ingestion: May be harmful if swallowed. May cause vomiting.  
 Chronic Health Effects: Prolonged or repeated contact may cause skin irritation.  
 Signs/Symptoms: Overexposure may cause headaches and dizziness.  
 Target Organs: Eyes. Skin. Respiratory system. Digestive system.  
 Aggravation of Pre-Existing Conditions: None generally recognized.

**SECTION 4 - FIRST AID MEASURES**

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.  
 Skin Contact: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.  
 Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.  
 Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.  
 Other First Aid: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs

**SECTION 5 - FIRE FIGHTING MEASURES**

**Flash Point:** No Data  
**Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.  
**Protective Equipment:** As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA Ratings:**

**NFPA Health:** 1  
**NFPA Flammability:** 1  
**NFPA Reactivity:** 0

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personnel Precautions:** Use proper personal protective equipment as listed in section 8.  
**Environmental Precautions:** Avoid runoff into storm sewers, ditches, and waterways.  
**Spill Cleanup Measures:** Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

**SECTION 7 - HANDLING and STORAGE**

**Handling:** Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.  
**Storage:** Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.  
**Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES**

**Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.  
**Eye/Face Protection:** Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.  
**Skin Protection Description:** Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.  
**Respiratory Protection:** A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.  
**Other Protective:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**EXPOSURE GUIDELINES**

**Clay (kaolin) :**

**Guideline ACGIH:** TLV-TWA: 2 mg/m3 (Respirable)  
**Guideline OSHA:** OSHA-TWA: 5 mg/m3 Respirable

**Ethylene glycol :**

**Guideline ACGIH:** TLV-STEL: C 100 mg/m3 (Aerosol only)

**Silica, crystalline - cristobalite :**

**Guideline ACGIH:** TLV-TWA: 0.05 mg/m3 (Respirable)  
**Guideline OSHA:** OSHA-TWA: One half the Quartz PEL [30 mg/m3]/{% SiO2} + 2]

**Titanium dioxide :**

**Guideline ACGIH:** TLV-TWA: 10 mg/m3  
**Guideline OSHA:** OSHA-TWA: 15 mg/m3

**SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES**

**Physical State Appearance:** Liquid.  
**Color:** White  
**Boiling Point:** No Data  
**Melting Point:** No Data  
**Density:** 10 - 12 Lbs./gal.

Vapor Density: Greater than 1 (Air = 1).  
pH: 8.5 to 9.5  
Molecular Formula: Mixture  
Molecular Weight: Mixture  
Flash Point: No Data  
VOC Content: Material VOC: 34 gm/l (Includes Water)  
Coating VOC.: 98 gm/l (Excludes Water)

## SECTION 10 - STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.  
Hazardous Polymerization: Not reported.  
Conditions to Avoid: Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.  
Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Clay (kaolin) :

RTECS Number: GF1670500

### Ethylene glycol :

RTECS Number: KW2975000

Eye: Eye - Rabbit; Standard Draize Test. : 500 mg/24H; mild.  
Eye - Rabbit; Standard Draize Test. : 1440 mg/6H; Moderate. (RTECS)

Skin: Skin - Rabbit; Open irritation : 555 mg; mild. (RTECS)

Inhalation: Inhalation. - Rat LC: >200 mg/m<sup>3</sup>/4H; Details of toxic effects not reported other than lethal dose value.

Inhalation. - Mouse LC: >200 mg/m<sup>3</sup>/2H; Details of toxic effects not reported other than lethal dose value. (RTECS)

Ingestion: Ingestion - Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value.. (RTECS)

### Amorphous silica :

RTECS Number: EU8655000

Eye: Eye - Rabbit; Standard Draize Test. : 25 mg/24H; mild. (RTECS)

Inhalation: Inhalation. - Rat LCLo: 2190 mg/m<sup>3</sup>/4H; Lungs, Thorax, or Respiration - dyspnea (RTECS)

Ingestion: Ingestion - Rat LDLo: 5 gm/kg; Nutritional and Gross Metabolic - other changes (RTECS)

### Hydrated aluminum-magnesium silicate :

RTECS Number: RT6400000

### Silica, crystalline - cristobalite :

RTECS Number: VV7325000

### Titanium dioxide :

RTECS Number: XR2275000

Skin: Skin - Rabbit; Standard Draize Test. : 300 ug/3D; (Intermittent) mild. (RTECS)

Ingestion: Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea  
Gastrointestinal - other changes. (RTECS)

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.  
Environmental Fate: No environmental information found for this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

## SECTION 14 - TRANSPORT INFORMATION

DOT UN Number: No Data  
DOT Hazard Class: No Data

## SECTION 15 - REGULATORY INFORMATION

### Clay (kaolin) :

TSCA Inventory Status: Listed

State Regulations: Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

### Flux Calcined Diatomaceous Earth (DE) :

TSCA Inventory Status: Listed

State Regulations: Listed in the Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed  
**Ethylene glycol :**  
TSCA Inventory Status: Listed  
State Regulations: Listed in the New Jersey State Right to Know List.  
Listed in the Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed  
**Amorphous silica :**  
TSCA Inventory Status: Listed  
State Regulations: Listed in the Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed  
**Hydrated aluminum-magnesium silicate :**  
TSCA Inventory Status: Not listed  
California PROP 65: Listed in California Prop65 list  
Canada DSL: Not listed  
**Silica, crystalline - cristobalite :**  
TSCA Inventory Status: Listed  
State Regulations: Listed in the New Jersey State Right to Know List.  
Listed in the Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed  
**Titanium dioxide :**  
TSCA Inventory Status: Listed  
State Regulations: Listed in the New Jersey State Right to Know List.  
Listed in the Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed  
WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

#### SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 1  
HMIS Fire Hazard: 1  
HMIS Reactivity: 0  
MSDS Creation Date: June 26, 2006  
MSDS Revision Date: March 09, 2008  
MSDS Revision Notes: Quarterly formula update  
MSDS Author: Actio Corporation  
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# SAFETY DATA SHEET



GT Cleaner

## Section 1. Identification

**GHS product identifier** : GT Cleaner  
**Product code** : 695  
**Other means of identification** : Not available.  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

| Identified uses                           |        |
|---|--------|
| Floor Cleaner                             |        |
| Uses advised against                      | Reason |
| For Industrial and Institutional Use Only | -      |

**Supplier's details** : Betco Corporation  
400 Van Camp Road  
Bowling Green, Ohio 43402  
www.betco.com  
888-462-3826

**Emergency telephone number (with hours of operation)** : Chemtrec (800) 424-9300 24 hour

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 3

### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : Flammable liquid and vapor.

### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection: Recommended: safety glasses. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed.

**Response** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**Storage** : Store in a well-ventilated place. Keep cool.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

| Ingredient name      | %    | CAS number |
|----------------------|------|------------|
| 1-methoxy-2-propanol | ≤10  | 107-98-2   |
| Isopropyl alcohol    | ≤9.4 | 67-63-0    |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## Section 4. First aid measures

- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact

## Section 6. Accidental release measures

information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name      | Exposure limits  |
|----------------------|--|
| 1-methoxy-2-propanol | <p><b>ACGIH TLV (United States, 3/2018).</b><br/>           TWA: 50 ppm 8 hours.<br/>           TWA: 184 mg/m<sup>3</sup> 8 hours.<br/>           STEL: 100 ppm 15 minutes.<br/>           STEL: 369 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>           TWA: 100 ppm 8 hours.<br/>           TWA: 360 mg/m<sup>3</sup> 8 hours.<br/>           STEL: 150 ppm 15 minutes.<br/>           STEL: 540 mg/m<sup>3</sup> 15 minutes.</p> <p><b>NIOSH REL (United States, 10/2016).</b><br/>           TWA: 100 ppm 10 hours.<br/>           TWA: 360 mg/m<sup>3</sup> 10 hours.<br/>           STEL: 150 ppm 15 minutes.<br/>           STEL: 540 mg/m<sup>3</sup> 15 minutes.</p> |
| Isopropyl alcohol    | <p><b>ACGIH TLV (United States, 3/2017).</b><br/>           TWA: 200 ppm 8 hours.<br/>           STEL: 400 ppm 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>           TWA: 400 ppm 8 hours.<br/>           TWA: 980 mg/m<sup>3</sup> 8 hours.<br/>           STEL: 500 ppm 15 minutes.<br/>           STEL: 1225 mg/m<sup>3</sup> 15 minutes.</p> <p><b>NIOSH REL (United States, 10/2016).</b><br/>           TWA: 400 ppm 10 hours.<br/>           TWA: 980 mg/m<sup>3</sup> 10 hours.</p>  |

## Section 8. Exposure controls/personal protection

STEL: 500 ppm 15 minutes.  
 STEL: 1225 mg/m<sup>3</sup> 15 minutes.  
**OSHA PEL (United States, 6/2016).**  
 TWA: 400 ppm 8 hours.  
 TWA: 980 mg/m<sup>3</sup> 8 hours.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: safety glasses

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Personal protective equipment (Pictograms)** :



## Section 9. Physical and chemical properties

### Appearance

|  |  |
|--|--|
| Physical state                               | : Liquid.  |
| Color  | : Clear. Light blue-green.   |
| Odor   | : Ether-like.  |
| Odor threshold                               | : Not available.   |
| pH   | : 7 to 10.5  |
| Melting point                                | : Not available.   |
| Boiling point                                | : Not available.   |
| Flash point                                  | : Closed cup: 38.889°C (102°F)   |
| Evaporation rate                             | : Not available.   |
| Flammability (solid, gas)                    | : Not available.   |
| Lower and upper explosive (flammable) limits | : Not available.   |
| Vapor pressure                               | : Not available.   |
| Vapor density                                | : Not available.   |
| Relative density                             | : 0.98   |
| Solubility                                   | : Easily soluble in the following materials: cold water and hot water. |
| Solubility in water                          | : Not available.   |
| Partition coefficient: n-octanol/water       | : Not available.   |
| Auto-ignition temperature                    | : Not available.   |
| Decomposition temperature                    | : Not available.   |
| Viscosity                                    | : Not available.   |
| Flow time (ISO 2431)                         | : Not available.   |

## Section 10. Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.  |
| Chemical stability                 | : The product is stable.  |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.   |
| Conditions to avoid                | : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |
| Incompatible materials             | : Not available.  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose        | Exposure |
|-------------------------|-------------|---------|-------------|----------|
| 1-methoxy-2-propanol    | LD50 Dermal | Rabbit  | 13 g/kg     | -        |
|                         | LD50 Oral   | Rat     | 6600 mg/kg  | -        |
| Isopropyl alcohol       | LD50 Dermal | Rabbit  | 12800 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 5000 mg/kg  | -        |

#### Irritation/Corrosion

## Section 11. Toxicological information

| Product/ingredient name | Result                   | Species | Score | Exposure                | Observation    |
|-------------------------|--------------------------|---------|-------|-------------------------|----------------|
| 1-methoxy-2-propanol    | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -              |
|                         | Skin - Mild irritant     | Rabbit  | -     |                         | 500 milligrams |
| Isopropyl alcohol       | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams | -              |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 10 milligrams           | -              |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100 milligrams          | -              |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 milligrams          | -              |

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Isopropyl alcohol       | -    | 3    | -   |

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

| Name                 | Category   | Route of exposure | Target organs    |
|----------------------|------------|-------------------|------------------|
| 1-methoxy-2-propanol | Category 3 | Not applicable.   | Narcotic effects |
| Isopropyl alcohol    | Category 3 | Not applicable.   | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

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

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

## Section 11. Toxicological information

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                               | Species                       | Exposure |
|-------------------------|--------------------------------------|-------------------------------|----------|
| Isopropyl alcohol       | Acute EC50 10100 mg/l Fresh water    | Daphnia - Daphnia magna       | 48 hours |
|                         | Acute LC50 1400000 µg/l Marine water | Crustaceans - Crangon crangon | 48 hours |
|                         | Acute LC50 4200 mg/l Fresh water     | Fish - Rasbora heteromorpha   | 96 hours |

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| 1-methoxy-2-propanol    | <1                 | -   | low       |
| Isopropyl alcohol       | 0.05               | -   | low       |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

- Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                   | <b>DOT Classification</b>  | <b>TDG Classification</b>  | <b>Mexico Classification</b>   | <b>ADR/RID</b>  | <b>IMDG</b>  | <b>IATA</b>  |
|-----------------------------------|--|--|--|---|--|--|
| <b>UN number</b>                  | Not available.   | Not available.   | Not available.   | Not available.  | UN1993   | Not available.   |
| <b>UN proper shipping name</b>    | Not Regulated For Ground Transportation.  | FLAMMABLE LIQUIDS, N.O. S. (1-methoxy-2-propanol, Isopropyl alcohol)                       | Not available.   |
| <b>Transport hazard class(es)</b> | 3<br> | 3<br> | 3<br> | 3<br> | 3<br> | 3<br> |
| <b>Packing group</b>              | III  | III  | III  | III   | III  | III  |
| <b>Environmental hazards</b>      | No.  | No.  | No.  | No.   | No.  | No.  |

### Additional information

- DOT Classification** : This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.

**Limited quantity** Yes.

- TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).

- Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

- U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
**Clean Water Act (CWA) 307**: disodium [29H,31H-phthalocyaninedisulphonato(4-)-N29, N30,N31,N32]cuprate(2-); copper  
**Clean Water Act (CWA) 311**: sodium hydroxide; Formaldehyde, solution

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

| Name         | %    | EHS  | SARA 302 TPQ |           | SARA 304 RQ |           |
|--------------|------|------|--------------|-----------|-------------|-----------|
|              |      |      | (lbs)        | (gallons) | (lbs)       | (gallons) |
| formaldehyde | <0.1 | Yes. | 500          | 73.9      | 100         | 14.8      |

**SARA 304 RQ** : 2500000000 lbs / 1135000000 kg [305954366.3 gal / 1158163265.3 L]

### SARA 311/312

**Classification** : FLAMMABLE LIQUIDS - Category 3

#### Composition/information on ingredients

| Name                 | %    | Classification   |
|----------------------|------|--|
| 1-methoxy-2-propanol | ≤10  | FLAMMABLE LIQUIDS - Category 3<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3                                 |
| Isopropyl alcohol    | ≤9.4 | FLAMMABLE LIQUIDS - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 |

### State regulations

- Massachusetts** : The following components are listed: PROPYLENE GLYCOL METHYL ETHER; PROPYLENE GLYCOL MONOMETHYL ETHER; ISOPROPYL ALCOHOL; 2-PROPANOL
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: PROPYLENE GLYCOL MONOMETHYL ETHER; 1-METHOXY-2-PROPANOL; ISOPROPYL ALCOHOL; 2-PROPANOL
- Pennsylvania** : The following components are listed: 2-PROPANOL, 1-METHOXY-; Isopropanol
- California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

## Section 15. Regulatory information

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

|                          |   |
|--------------------------|---|
| <b>Australia</b>         | : All components are listed or exempted.  |
| <b>Canada</b>            | : All components are listed or exempted.  |
| <b>China</b>             | : All components are listed or exempted.  |
| <b>Europe</b>            | : At least one component is not listed.   |
| <b>Japan</b>             | : <b>Japan inventory (ENCS):</b> All components are listed or exempted.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>Malaysia</b>          | : Not determined  |
| <b>New Zealand</b>       | : All components are listed or exempted.  |
| <b>Philippines</b>       | : At least one component is not listed.   |
| <b>Republic of Korea</b> | : All components are listed or exempted.  |
| <b>Taiwan</b>            | : All components are listed or exempted.  |
| <b>Thailand</b>          | : Not determined.   |
| <b>Turkey</b>            | : Not determined.   |
| <b>United States</b>     | : All components are listed or exempted.  |
| <b>Viet Nam</b>          | : Not determined.   |

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                  |   |   |
|------------------|---|---|
| Health           | / | 0 |
| Flammability     |   | 2 |
| Physical hazards |   | 0 |
|                  |   |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)



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## Section 16. Other information

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

| Classification                 | Justification         |
|--------------------------------|-----------------------|
| FLAMMABLE LIQUIDS - Category 3 | On basis of test data |

### History

**Date of printing** : 6/29/2020

**Date of issue/Date of revision** : 6/29/2020

**Date of previous issue** : No previous validation

**Version** : 1

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

**References** : Not available.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

|                   |
|-------------------|
| <b>00711-1026</b> |
| <b>-1027</b>      |
| <b>-1028</b>      |

**MATERIAL SAFETY DATA SHEET**  
**IDENTITY (AS USED ON LABEL AND LIST)**

May be used to comply with OSHA's 29 CFR 1910.1200  
 Note: Some agencies use the term SDS. If any item is not applicable

**DICK BLICK BLICKRYLIC POLYMER MEDIUM**

THIS PRODUCT INCLUDES THE ADDITIVES LISTED SEPARATELY

**SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION**

|                                       |   |
|---------------------------------------|---|
| <b>ROCK PAINT DISTRIBUTING CORP.</b>  | <b>(608) 868-6873</b>                           |
| <small>MANUFACTURER</small>           | <small>TELEPHONE NUMBER FOR INFORMATION</small> |
| <b>365 SUNNYSIDE DR. P.O. BOX 482</b> | <b>(920) 563-8545</b>                           |
| <small>ADDRESS</small>                | <small>EMERGENCY TELEPHONE NUMBER</small>       |
| <b>MILTON, WI 53563</b>               | <b>JULY 2007</b>                                |
|                                       | <small>DATE PREPARED</small>                    |

**SECTION 2 - MATERIAL IDENTIFICATION AND INFORMATION**

|                           |   |                  |                         |                          |   |
|---------------------------|---|------------------|-------------------------|--------------------------|---|
| <small>COMPONENTS</small> | <small>CHEMICAL NAME &amp; COMMON NAMES</small> | <small>%</small> | <small>OSHA PEL</small> | <small>ACGIH TLV</small> | <small>OTHER LIMITS RECOMMENDED</small> |
|---------------------------|---|------------------|-------------------------|--------------------------|---|

Contains no hazardous substance per OSHA  
 29 CFR 1940.1200

Material is a water based product with the AP Seal. Products with the AP Approved Products Seal of the Art and Craft Materials Institute Inc. are certified in a program of toxicological evaluation by a medium expert to contain no material in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. These products are certified by the Institute to be in accordance with the voluntary chronic hazard labeling standard ASTM D-4236. In addition, there is no physical hazard as defined within 29 CFR Part 1910.1200 (c).

**SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS**

|   |                             |  |                  |
|---|-----------------------------|--|------------------|
| <small>BOILING POINT</small>                        | Range 215-225 F             | <small>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</small> | Range 1.03-1.68  |
| <small>VAPOR PRESSURE (mm Hg @ TEMPERATURE)</small> | N/A                         | <small>MELTING POINT</small>                         | N/A              |
| <small>VAPOR DENSITY (AIR=1)</small>                | lighter than air            | <small>EVAPORATION RATE (WATER = 1)</small>          | lower than ether |
| <small>SOLUBILITY IN WATER</small>                  | completely soluble in water | <small>WATER REACTIVE</small>                        | N/A              |
| <small>APPEARANCE &amp; ODOR</small>                | various colors and odorless |  |                  |

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

|   |                                 |   |     |
|---|---------------------------------|---|-----|
| <small>FLASH POINT &amp; METHOD USED</small>      | N/A                             | <small>FLAMMABILITY LIMITS IN AIR % BY VOLUME</small> | N/A |
| <small>EXTINGUISHER MEDIA</small>                 | CO <sub>2</sub> , Foam or Water |   |     |
| <small>SPECIAL FIRE FIGHTING PROCEDURES</small>   | None known                      |   |     |
| <small>UNUSUAL FIRE AND EXPLOSION HAZARDS</small> | None                            |   |     |

**SECTION 5 - REACTIVITY HAZARD DATA** BLICKRYLIC POLYMER MEDIUM Page 2 of 2

**STABILITY**  
 STABLE  
 UNSTABLE  
 None

**CONDITIONS TO AVOID**  
 None

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
 N/A

**HAZARDOUS DECOMPOSITION PRODUCTS**  
 N/A

**HAZARDOUS POLYMERIZATION**  
 MAY OCCUR  
 WILL NOT OCCUR

**CONDITIONS TO AVOID**  
 None known

**SECTION 6 - HEALTH HAZARD DATA**

**PRIMARY ROUTES OF EN**  
 INHALATION  
 INGESTION  
 SKIN ABSORPTION

**CARCINOGEN LISTED IN**  
 NTP  
 OSHA

**OSHA**  
 NOT LISTED

**HEALTH HAZARDS**  
 Refer to Section 2

**ACUTE**  
 CHRONIC

**SIGNS AND SYMPTOMS**  
 Not known

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**  
 Not known

**EMERGENCY FIRST AID PROCEDURES -** Consult a Physician Immediately.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**  
 STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED

Usual Clean Up Procedure

**WASTE DISPOSAL METHODS**  
 Dispose of in accordance with Federal and Local State Regulations

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**  
 Store at room temperature.

**OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS**  
 Not known

**SECTION 8 - CONTROL AND PROTECTIVE MEASURES**

**RESPIRATORY PROTECTION (SPECIFY TYPE)**  
 None required

**VENTILATION TO BE USED**  
 None required

**LOCAL EXHAUSE**  
 OTHER (SPECIFY):

**MECHANICAL (GENERAL)**  
 SPECIAL:

**PROTECTIVE GLOVES**  
 N/A

**EYE PROTECTION**  
 N/A

**OTHER PROTECTIVE CLOTHING AND EQUIPMENT**  
 N/A

**HYGIENIC WORK PRACTICES**  
 N/A

Issue Date: 22-Sep-2003

Revision Date: 08-Sep-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Spray Buff

### Other means of identification

**SDS #** CARROLL-112

**Product Code** 645

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

**Recommended Use** Floor polish maintainer.

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

#### **Supplier Address**

Carroll Co.  
2900 W. Kingsley Road  
Garland, TX 75041

### Emergency Telephone Number

**Company Phone Number** 1-800-527-5722  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Milky white liquid

**Physical State** Liquid

**Odor** Citrus

### Classification

Skin sensitization

Category 1

### Signal Word

Warning

### Hazard Statements

May cause an allergic skin reaction



### Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

**Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life with long lasting effects

**Unknown Acute Toxicity**

0.8137% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No      | Weight-% |
|---------------|-------------|----------|
| Trade Secret  | Proprietary | <5       |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.        |
| <b>Skin Contact</b> | IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| <b>Inhalation</b>   | Remove to fresh air.  |
| <b>Ingestion</b>    | Give large amounts of water. DO NOT induce vomiting. Get medical attention.   |

**Most important symptoms and effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May cause an allergic skin reaction. Irritating to eyes. |
|-----------------|--|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

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

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Product is not flammable.

**Protective equipment and precautions for firefighters**

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

**6. ACCIDENTAL RELEASE MEASURES**

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

- Personal Precautions** Use personal protective equipment as required.
- Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

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

- Methods for Containment** Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up** Flood area with water and then mop up. Dispose of in accordance with federal, state and local regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing. Do not destroy or deface the label.

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

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store containers upright.
- Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV        | OSHA PEL   | NIOSH IDLH  |
|---------------|------------------|--|---|
| Trade Secret  | TWA: 20 ppm      | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S* | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |
| Trade Secret  | TWA: 2 ppm<br>S* | TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 50 mg/m <sup>3</sup><br>(vacated) S*<br>S*   | IDLH: 100 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup> |

**Appropriate engineering controls**

- Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

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

- Eye/Face Protection** Avoid contact with eyes.
- Skin and Body Protection** Wear protective gloves.
- Respiratory Protection** Ensure adequate ventilation, especially in confined areas.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |                    |                       |                |
|-----------------------|--------------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid             | <b>Odor</b>           | Citrus         |
| <b>Appearance</b>     | Milky white liquid | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Milky white        |                       |                |

| <b><u>Property</u></b>              | <b><u>Values</u></b>  | <b><u>Remarks • Method</u></b> |
|-------------------------------------|-----------------------|--------------------------------|
| <b>pH</b>                           | 9.5                   |                                |
| <b>Melting Point/Freezing Point</b> | Not Applicable        |                                |
| <b>Boiling Point/Boiling Range</b>  | Not determined        |                                |
| <b>Flash Point</b>                  | None (will not burn)  |                                |
| <b>Evaporation Rate</b>             | Not determined        |                                |
| <b>Flammability (Solid, Gas)</b>    | Liquid-Not Applicable |                                |
| <b>Upper Flammability Limits</b>    | Not determined        |                                |
| <b>Lower Flammability Limit</b>     | Not determined        |                                |
| <b>Vapor Pressure</b>               | Not Applicable        |                                |
| <b>Vapor Density</b>                | Not determined        |                                |
| <b>Specific Gravity</b>             | 0.998                 | (1=Water)                      |
| <b>Water Solubility</b>             | Emulsifiable          |                                |
| <b>Solubility in other solvents</b> | Not determined        |                                |
| <b>Partition Coefficient</b>        | Not determined        |                                |
| <b>Auto-ignition Temperature</b>    | Not determined        |                                |
| <b>Decomposition Temperature</b>    | Not determined        |                                |
| <b>Kinematic Viscosity</b>          | Not determined        |                                |
| <b>Dynamic Viscosity</b>            | Not determined        |                                |
| <b>Explosive Properties</b>         | Not determined        |                                |
| <b>Oxidizing Properties</b>         | Not determined        |                                |

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Irritating to eyes.  |
| <b>Skin Contact</b> | May cause an allergic skin reaction.   |
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Ingestion</b>    | Do not taste or swallow.   |

**Component Information**

| Chemical Name | Oral LD50            | Dermal LD50                                 | Inhalation LC50                               |
|---------------|----------------------|---|---|
| Trade Secret  | = 1288 mg/kg ( Rat ) | = 580 mg/kg ( Rabbit )                      | > 3900 mg/m <sup>3</sup> ( Rat ) 1 h          |
| Trade Secret  | -                    | > 4640 mg/kg ( Rabbit )                     | -   |
| Trade Secret  | = 470 mg/kg ( Rat )  | = 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit ) | = 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h |
| Trade Secret  | = 1300 mg/kg ( Rat ) | = 1260 mg/kg ( Rabbit )                     | -   |
| Trade Secret  | = 28 g/kg ( Rat )    | > 20 g/kg ( Rabbit )                        | -   |
| Trade Secret  | > 40 g/kg ( Rat )    | -   | -   |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Sensitization** May cause an allergic skin reaction.

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**Unknown Acute Toxicity** 0.8137% of the mixture consists of ingredient(s) of unknown toxicity.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

| Chemical Name | Algae/aquatic plants   | Fish  | Toxicity to microorganisms | Crustacea                                |
|---------------|--|---|----------------------------|--|
| Trade Secret  | 53: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 30 - 100: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 117: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 3.59 - 15.6: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static | 8 - 12.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 15 - 18.9: 96 h <i>Pimephales promelas</i> mg/L LC50 static 22.1 - 22.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static 4.3 - 8.5: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 4.62: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 4.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 7.97: 96 h <i>Brachydanio rerio</i> mg/L LC50 flow-through 9.9 - 20.1: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 4.06 - 5.75: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 4.2 - 4.8: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 4.5: 96 h <i>Lepomis macrochirus</i> mg/L LC50 5.8 - 7.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10.2 - 22.5: 96 h <i>Pimephales promelas</i> mg/L LC50 semi-static 6.2 - 9.6: 96 h <i>Pimephales promelas</i> mg/L LC50 13.5 - 18.3: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 10.8 - 16.6: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 1.31: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static |                            | 1.8: 48 h <i>Daphnia magna</i> mg/L EC50 |

|              |   |  |  |  |
|--------------|---|--|--|--|
| Trade Secret |   | 100: 96 h Oncorhynchus mykiss mg/L LC50  |  | 100: 48 h water flea mg/L EC50   |
| Trade Secret |   | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50                     |  | 1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 |
| Trade Secret | 30: 72 h Desmodemus subspicatus mg/L EC50 | 1660 - 1920: 96 h Pimephales promelas mg/L LC50 flow-through 100 - 220: 96 h Leuciscus idus mg/L LC50 static |  | 83.6: 48 h Daphnia magna Straus mg/L EC50                                    |
| Trade Secret |   | 5000: 24 h Carassius auratus mg/L LC50   |  |  |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name | Partition Coefficient |
|---------------|-----------------------|
| Trade Secret  | 1.6                   |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

- Disposal of Wastes**                      Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging**              Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

- Note**                                      Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT**                                      Not regulated
- IATA**                                      Not regulated
- IMDG**  
**Marine Pollutant**                      This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**International Inventories**

- TSCA**                                      One or more ingredient(s) in this product is listed on the TSCA inventory

**Legend:**

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

**US Federal Regulations**

**SARA 313**

| Chemical Name  | CAS No | Weight-% | SARA 313 - Threshold Values % |
|----------------|--------|----------|-------------------------------|
| Trade Secret - |        | <1       | 1.0                           |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Trade Secret  | X          | X             | X            |
| Trade Secret  | X          | X             | X            |

**16. OTHER INFORMATION**

|             |                       |                     |                         |                            |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b>NFPA</b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|             | Not determined        | Not determined      | Not determined          | Not determined             |
| <b>HMIS</b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|             | 2                     | 0                   | 0                       | B = Goggles, gloves        |

Issue Date: 22-Sep-2003  
 Revision Date: 08-Sep-2014  
 Revision Note: New format

**Disclaimer**

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

**End of Safety Data Sheet**



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date September 3, 2015

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Clorox® Original Bleach

### Other means of identification

**Synonyms** None

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

**Recommended use** Laundry and household bleach

**Uses advised against** No information available

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

#### **Supplier Address**

Clorox Commercial Company  
Ave. Chardón #350  
Torre Chardón, Suite 325  
San Juan, PR 00918

Phone: 1-787-641-4943

### Emergency telephone number

#### **Emergency Phone Numbers**

For Medical Emergencies, call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
|-----------------------------------|-------------|

### GHS Label elements, including precautionary statements

#### Emergency Overview

|   |                               |                       |        |
|---|-------------------------------|-----------------------|--------|
| <b>Signal word</b>  | <b>Warning</b>                |                       |        |
| <b>Hazard Statements</b>  | Causes serious eye irritation |                       |        |
|  |                               |                       |        |
| <b>Appearance</b>   | Clear, pale yellow            | <b>Physical State</b> | Liquid |
|   |                               | <b>Odor</b>           | Bleach |

### Precautionary Statements - Prevention

Wash hands and any exposed skin thoroughly after handling.  
Wear eye protection/face protection such as safety glasses.

### Precautionary Statements - Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

### Precautionary Statements - Storage

None

### Precautionary Statements - Disposal

None

### Hazards not otherwise classified (HNOC)

Not applicable.

### Unknown Toxicity

None of the mixture consists of ingredient(s) of unknown toxicity

### Other information

Toxic to aquatic life with long lasting effects.

### Interactions with Other Chemicals

Reacts with other household chemicals such as toilet bowl cleaners, rust removers, acids, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS-No    | Weight % | Trade Secret |
|---------------------|-----------|----------|--------------|
| Sodium hypochlorite | 7681-52-9 | 1 - 5    | *            |

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

### 4. FIRST AID MEASURES

#### First aid measures

|                                   |   |
|-----------------------------------|---|
| <b>General Advice</b>             | Show this safety data sheet to the doctor in attendance.  |
| <b>Eye Contact</b>                | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <b>Skin Contact</b>               | Take off contaminated clothing. Rinse skin with plenty of water. If irritation develops, call a doctor.   |
| <b>Inhalation</b>                 | Move to fresh air. If breathing is affected, call a doctor.   |
| <b>Ingestion</b>                  | Drink a glassful of water. Call a poison control center or doctor immediately. DO NOT induce vomiting unless told to do so by a poison control center or doctor.  |
| <b>Protection of First-aiders</b> | Avoid contact with skin, eyes, or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).   |

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

|  |                                  |
|--|----------------------------------|
| <b>Most Important Symptoms and Effects</b> | Stinging and irritation of eyes. |
|--|----------------------------------|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

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

### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

No information available.

### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

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

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with eyes, skin, and clothing. Use personal protective equipment as required.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental Precautions** See Section 12 for ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products** Toilet bowl cleaners, rust removers, acids, and ammonia-containing products.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name                    | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------------|-----------|----------|------------|
| Sodium hypochlorite<br>7681-52-9 | None      | None     | None       |

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems

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

**Eye/Face Protection**                      If splashes are likely to occur: Wear safety glasses with side shields (or goggles). None required for consumer use.

**Skin and Body Protection**                      Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.

**Respiratory Protection**                      If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures**                              Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |             |                       |                          |
|-----------------------|-------------|-----------------------|--------------------------|
| <b>Physical State</b> | Liquid      | <b>Odor</b>           | Bleach                   |
| <b>Appearance</b>     | Clear       | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | Pale yellow |                       |                          |

| <u>Property</u>                               | <u>Values</u>     | <u>Remarks/ Method</u> |
|---|-------------------|------------------------|
| <b>pH</b>                                     | ~12               | None known             |
| <b>Melting/freezing point</b>                 | No data available | None known             |
| <b>Boiling point / boiling range</b>          | No data available | None known             |
| <b>Flash Point</b>                            | Not flammable     | None known             |
| <b>Evaporation rate</b>                       | No data available | None known             |
| <b>Flammability (solid, gas)</b>              | No data available | None known             |
| <b>Flammability Limits in Air</b>             |                   |                        |
| <b>Upper flammability limit</b>               | No data available | None known             |
| <b>Lower flammability limit</b>               | No data available | None known             |
| <b>Vapor pressure</b>                         | No data available | None known             |
| <b>Vapor density</b>                          | No data available | None known             |
| <b>Specific Gravity</b>                       | ~1.05             | None known             |
| <b>Water Solubility</b>                       | Soluble in water  | None known             |
| <b>Solubility in other solvents</b>           | No data available | None known             |
| <b>Partition coefficient: n-octanol/water</b> | No data available | None known             |
| <b>Autoignition temperature</b>               | No data available | None known             |
| <b>Decomposition temperature</b>              | No data available | None known             |
| <b>Kinematic viscosity</b>                    | No data available | None known             |
| <b>Dynamic viscosity</b>                      | No data available | None known             |
| <b>Explosive Properties</b>                   | Not explosive     |                        |
| <b>Oxidizing Properties</b>                   | No data available |                        |

### Other Information

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Softening Point</b>            | No data available |
| <b>VOC Content (%)</b>            | No data available |
| <b>Particle Size</b>              | No data available |
| <b>Particle Size Distribution</b> | No data available |

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts with other household chemicals such as toilet bowl cleaners, rust removers, acids, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

Toilet bowl cleaners, rust removers, acids, and ammonia-containing products.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Exposure to vapor or mist may irritate respiratory tract.  |
| <b>Eye Contact</b>  | May cause eye irritation.  |
| <b>Skin Contact</b> | Prolonged contact may cause irritation.  |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes and gastrointestinal tract, nausea, vomiting, and diarrhea. |

#### Component Information

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

### Information on toxicological effects

**Symptoms** May cause redness and tearing of the eyes.

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

**Sensitization** No information available.

**Mutagenic Effects** No information available.

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

| Chemical Name                    | ACGIH | IARC    | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Sodium hypochlorite<br>7681-52-9 | -     | Group 3 | -   | -    |

*IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** Carcinogenic potential is unknown.

**Target Organ Effects** Respiratory system, eyes, skin, gastrointestinal tract (GI).

**Aspiration Hazard** No information available.

### Numerical measures of toxicity - Product Information

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

**ATEmix (inhalation-dust/mist)**

72 mg/L

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**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Disposal methods**

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

**Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

**14. TRANSPORT INFORMATION****DOT**

Not restricted.

**TDG**

Not restricted for road or rail.

**ICAO**

Not restricted, as per Special Provision A197, Environmentally Hazardous Substance exception.

**IATA**

Not restricted, as per Special Provision A197, Environmentally Hazardous Substance exception.

**IMDG/IMO**

Not restricted, as per IMDG Code 2.10.2.7, Marine Pollutant exception.

**15. REGULATORY INFORMATION****Chemical Inventories****TSCA**

All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL**

All components are on the DSL or NDSL.

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

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

**SARA 313**

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

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                    | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                      |                        |                           | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical Name                    | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ  |
|----------------------------------|--------------------------|------------------------------------|---|
| Sodium hypochlorite<br>7681-52-9 | 100 lb                   | -                                  | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

| Chemical Name                    | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|----------------------------------|------------|---------------|--------------|--------------|----------|
| Sodium hypochlorite<br>7681-52-9 | X          | X             | X            | X            |          |

**International Regulations**

**Canada**

**WHMIS Hazard Class**

D2B - Toxic materials



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**16. OTHER INFORMATION**

**NFPA**      Health Hazard 2      Flammability 0      Instability 0      Physical and Chemical Hazards -

**HMIS**      Health Hazard 2      Flammability 0      Physical Hazard 0      Personal Protection B

**Prepared By**                      Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date**                      September 3, 2015

**Revision Note**                      Revisions Sections 3, 8, 9, 11, 14, 15.

**Reference**                              1096330/171553.001

**General Disclaimer**

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

**End of Safety Data Sheet**

# Safety Data Sheet

Material Name: **CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT**

SDS ID: CRAY-053

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

### Material Name

CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT

### Synonyms

CRAYOLA PREMIER& ARTISTA II TEMPERA PAINTS; CRAYOLA PREMIER TEMPERA/POSTER PAINT. STANDARD & FLUORESCENT PAINT; PRODUCT CODE(S): PREMIER TEMPERA; 44-1997; 54-1116-X-XXX; 54-1216-X-XXX; 54-1232-X-XXX; ARTISTA WASHABLE TEMPERA; 54-3115-X-XXX; 54-3132-X-XXX; 007-BROWN; 033-PEACH; 034-YELLOW; 036 ORANGE; 038-RED; 40-VIOLET(PURPLE); 042-BLUE; 044-GLOWING GREEN; 048-TURQUOISE; 051-BLACK; 053-WHITE; 069-MAGENTA; 083-GOLD; 084-SILVER; 092-FL ELECTRIC BLUE; 093-FL RED; 094-FL ORANGE YELLOW; 096-FL CHARTRUESE; 097-FL SHOCKING PINK; 04-0615; 54-1106; 54-1206; 54-1208; 54-1264; 54-1997; 54-2101; 54-2102; 54-3108; 54-3181; 54-3182; 54-3183; 54-3115F; 54-3128; 54-3164; 54-3208; 54-3214; 54-5504; 54-6001; 54-6002; 54-6003; 54-6004; 54-6005; 54-6006; 54-6007; 54-6008; 54-6009; 54-6010; 54-6011; 54-6012; 54-6013; 54-6014; 54-6015; 54-6016; 54-6017; 54-6018; 54-6019; 54-6020; 54-8516; 57-0323; 74-7217;

### Product Description

Finished product.

### Product Use

Arts and Crafts for children

### Restrictions on Use

None known.

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

CRAYOLA LLC

1100 Church Lane

Easton, PA 18044

Phone: 1-800-272-9652

Emergency Phone #: 1-800-535-5053 or call local POISON CONTROL

E-mail: support@crayola.com

## Section 2 - HAZARDS IDENTIFICATION

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

None needed according to classification criteria.

### GHS Label Elements

#### Symbol(s)

None needed according to classification criteria.

#### Signal Word

None needed according to classification criteria

#### Hazard Statement(s)

None needed according to classification criteria.

#### Precautionary Statement(s)

#### Prevention

None needed according to classification criteria.

#### Response

None needed according to classification criteria.

#### Storage

None needed according to classification criteria.

#### Disposal

# Safety Data Sheet

Material Name: **CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT**

SDS ID: **CRAY-053**

Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

## Other Hazards

None known.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS           | Component Name  | Percent |
|---------------|---|---------|
| Not available | Product has been certified as nontoxic by the Art & Creative Materials Institute, Inc. and conforms to ASTM D 4236 standard practice for labeling art materials for acute and chronic adverse health hazards. | 100     |

## Section 4 - FIRST AID MEASURES

### Inhalation

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

### Skin

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

### Eyes

It is unlikely that emergency treatment will be required. Flush eyes with plenty of water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

### Ingestion

Call a poison control center or doctor immediately for treatment advice.

### Most Important Symptoms/Effects

#### Acute

No information on significant adverse effects.

#### Delayed

No information on significant adverse effects.

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

Treat symptomatically and supportively.

## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, regular dry chemical, regular foam, water.

#### Unsuitable Extinguishing Media

None known.

### Special Hazards Arising from the Chemical

Slight fire hazard.

### Hazardous Combustion Products

Oxides of carbon.

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Stay upwind and keep out of low areas. Avoid inhalation of material or combustion by-products.

# Safety Data Sheet

Material Name: CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT

SDS ID: CRAY-053

## Special Protective Equipment and Precautions for Firefighters

Wear protective clothing and equipment suitable for the surrounding fire.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning Up

Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for reuse or disposal.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Wash thoroughly after handling.

### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria.

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

### Incompatible Materials

Oxidizing agents.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

### Engineering Controls

Based on available information, additional ventilation is not required.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Eye protection not required under normal conditions.

#### Skin Protection

Protective clothing is not required under normal conditions.

#### Respiratory Protection

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

### Glove Recommendations

Protective gloves are not required under normal conditions.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                       |                          |                       |                  |
|-----------------------|--------------------------|-----------------------|------------------|
| <b>Appearance</b>     | various colors<br>liquid | <b>Physical State</b> | liquid           |
| <b>Odor</b>           | slight odor.             | <b>Color</b>          | Not<br>available |
| <b>Odor Threshold</b> | Not available            | <b>pH</b>             | 8.2 - 9          |
| <b>Melting Point</b>  | Not available            | <b>Boiling Point</b>  | Not<br>available |

# Safety Data Sheet

Material Name: CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT

SDS ID: CRAY-053

|                                 |               |   |               |
|---------------------------------|---------------|---|---------------|
| <b>Boiling Point Range</b>      | Not available | <b>Freezing point</b>                         | Not available |
| <b>Evaporation Rate</b>         | Not available | <b>Flammability (solid, gas)</b>              | Not available |
| <b>Autoignition Temperature</b> | Not available | <b>Flash Point</b>                            | Not available |
| <b>Lower Explosive Limit</b>    | Not available | <b>Decomposition temperature</b>              | Not available |
| <b>Upper Explosive Limit</b>    | Not available | <b>Vapor Pressure</b>                         | Not available |
| <b>Vapor Density (air=1)</b>    | Not available | <b>Specific Gravity (water=1)</b>             | 10.1 - 10.3   |
| <b>Water Solubility</b>         | (Soluble )    | <b>Partition coefficient: n-octanol/water</b> | Not available |
| <b>Viscosity</b>                | 40            | <b>Kinematic viscosity</b>                    | Not available |
| <b>Solubility (Other)</b>       | Not available | <b>Density</b>                                | Not available |
| <b>Physical Form</b>            | Liquid.       | <b>Molecular Weight</b>                       | Not available |

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

None reported.

### Incompatible Materials

Oxidizing agents.

### Hazardous decomposition products

None known.

### Thermal decomposition products

Oxides of carbon.

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

No information on significant adverse effects.

#### Skin Contact

No information on significant adverse effects.

# Safety Data Sheet

Material Name: CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT

SDS ID: CRAY-053

**Eye Contact**

No information on significant adverse effects.

**Ingestion**

No information on significant adverse effects.

**Acute and Chronic Toxicity**

**Component Analysis - LD50/LC50**

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

**Product Toxicity Data**

**Acute Toxicity Estimate**

No data available.

**Immediate Effects**

None.

**Delayed Effects**

None.

**Irritation/Corrosivity Data**

None.

**Respiratory Sensitization**

No information available for the product.

**Dermal Sensitization**

No information available for the product.

**Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.  
No information available for the product.

**Germ Cell Mutagenicity**

No information available for the product.

**Tumorigenic Data**

No information available for the product.

**Reproductive Toxicity**

No information available for the product.

**Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure**

No target organs identified.

**Aspiration hazard**

Not expected to be an aspiration hazard.

**Medical Conditions Aggravated by Exposure**

No data available.

**Section 12 - ECOLOGICAL INFORMATION**

**Component Analysis - Aquatic Toxicity**

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

**Persistence and Degradability**

# Safety Data Sheet

Material Name: **CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT**

SDS ID: **CRAY-053**

No information available for the product.

## Bioaccumulative Potential

No information available for the product.

## Mobility

No information available for the product.

## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of in accordance with all applicable federal, state and local regulations. Recycle if possible.

### Component Waste Numbers

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

## Section 14 - TRANSPORT INFORMATION

### US DOT Information:

UN/NA #: Not regulated

### IATA Information:

UN#: Not regulated

### ICAO Information:

UN#: Not regulated

### IMDG Information:

UN#: Not regulated

### TDG Information:

UN#: Not regulated

### International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

## Section 15 - REGULATORY INFORMATION

### U.S. Federal Regulations

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

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

No hazard categories applicable.

### U.S. State Regulations

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

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

Not listed under California Proposition 65.

### Component Analysis - Inventory

Product has been certified as nontoxic by the Art & Creative Materials Institute, Inc. and conforms to ASM D 4236 standard practice for labeling art materials for acute and chronic adverse health hazards. (Not available)

| US | CA | AU | CN | EU | JP - ENCS | JP - ISHL | KR KECI - Annex 1 | KR KECI - Annex 2 |
|----|----|----|----|----|-----------|-----------|-------------------|-------------------|
| No | No | No | No | No | No        | No        | No                | No                |

# Safety Data Sheet

Material Name: CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT

SDS ID: CRAY-053

|                |    |    |    |         |    |            |
|----------------|----|----|----|---------|----|------------|
| KR - REACH CCA | MX | NZ | PH | TH-TECI | TW | VN (Draft) |
| No             | No | No | No | No      | No | No         |

## Section 16 - OTHER INFORMATION

### NFPA Ratings

Health: 1 Fire: 1 Instability: 0

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

### Summary of Changes

09/13/2018 - Update to Section(s) 1.

### Preparation Date

February 19, 2016

### Revision date

09/13/2018

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); 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; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); 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; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; 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; MX - Mexico; Ne - Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; 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; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

### Other Information

### Disclaimer:

## Safety Data Sheet

**Material Name: CRAYOLA® PREMIER& ARTISTA II® TEMPERA PAINT**

**SDS ID: CRAY-053**

Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.

# Safety Data Sheet

Material Name: CRAYOLA® WASHABLE PAINT

SDS ID: CRAY-034

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

### Material Name

CRAYOLA® WASHABLE PAINT

### Synonyms

CRAYOLA WASHABLE PAINT; CRAYOLA WASHABLE KIDS' PAINT; CRAYOLA WASHABLE FINGER PAINT; CRAYOLA PAINT MAKER; PAINT & CANVAS KIT; PRODUCT CODE(S): 03-3238; 03-3239; 03-7958; 04-0321; 04-0462; 04-0479; 04-0135; 04-0526; 04-0529; 04-0572; 04-0583; 04-1026; 04-1027; 04-1029; 04-1041; 04-1052; 04-1078; 04-1907; 04-1951; 04-2532; 04-2549; 04-4501; 04-5222; 04-5401; 04-5553; 04-5558; 04-8205; 04-5222; 04-5719; 04-5777; 04-6010; 04-6104; 04-6016; 04-6936; 44-1205-7; 44-2395; 54-0100; 54-0101; 54-0105; 54-0116; 54-0117; 54-0125; 54-0126; 54-0128; 54-0150; 54-0155; 54-0156; 54-0157; 04-0296; 54-1051; 54-1060; 54-1062; 54-1064; 54-1076; 54-1077; 54-1138; 54-1202; 54-1204; 54-1205; 54-1207; 54-1237; 54-1827; 54-1828; 54-1829; 54-1830; 54-1834; 54-1838; 54-1842; 54-1853; 54-208W; 54-2016; 54-2036; 54-2128; 54-2129; 54-2001; 54-2002; 54-2006; 54-2008; 54-2011; 54-2064; 54-2128; 54-2203; 54-2204; 54-2205; 54-2207; 54-2219; 54-2233; 54-2234; 54-2235; 54-2236; 54-2237; 54-2238; 54-2240; 54-2241; 54-2242; 54-2244; 54-2245; 54-2248; 54-2249; 54-2251; 54-2252; 54-2253; 54-2264; 54-2266; 54-2269; 54-2270; 54-2271; 54-2272; 54-2273; 54-2274; 54-2275; 54-2276; 54-2277; 54-2278; 54-2281; 54-2282; 54-2283; 54-2284; 54-2291; 54-2292; 54-2294; 54-2295; 54-2297; 54-2298; 54-2302; 54-2312; 54-2390; 53-2391; 54-2392; 52-2394; 52-2395; 54-2400; 54-2401; 54-2408; 54-2504; 54-2506; 54-2508; 54-2510; 54-2016; 54-2128; 54-2390; 54-2518; 54-2551; 54-2553; 54-4100; 54-5000; 54-6201; 74-7205; 54-7334; 54-7338; 54-7342; 54-7344; 54-7351; 54-7353; 54-7408; 54-9039; 54-9718; 54-9828; 55-0011; 55-0012; 55-1300; 55-0014; 55-0015; 55-0355; 55-1308; 55-1310; 55-1311; 55-1312; 55-1316; 55-1332; 55-1900; 55-1901; 57-0202; 57-0203; 57-0204; 58-6531; 71-1005; 71-1010; 74-7058; 74-7080; 74-7081; 74-7080; 74-7081; 74-7087; 74-7088; 74-7217; 81-1333; 81-1362; 81-1368; 81-1427; 81-1430; 81-1452; 81-1476; 81-1477; 81-1479; 81-8108; 82-0569

### Product Description

Finished product.

### Product Use

Arts and Crafts

### Restrictions on Use

None known.

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

CRAYOLA LLC

1100 Church Lane

Easton, PA 18044

Phone: 1-800-272-9652

Emergency Phone #: Health Emergency - Call local POISON CONTROL

E-mail: support@crayola.com

## Section 2 - HAZARDS IDENTIFICATION

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

None needed according to classification criteria.

### GHS Label Elements

#### Symbol(s)

None needed according to classification criteria.

#### Signal Word

None needed according to classification criteria

#### Hazard Statement(s)

None needed according to classification criteria.

#### Precautionary Statement(s)

# Safety Data Sheet

Material Name: CRAYOLA® WASHABLE PAINT

SDS ID: CRAY-034

## Prevention

None needed according to classification criteria.

## Response

None needed according to classification criteria.

## Storage

None needed according to classification criteria.

## Disposal

Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

## Other Hazards

None known.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS           | Component Name   | Percent |
|---------------|--|---------|
| Not available | Product has been certified as nontoxic by the Art & Creative Materials Institute, Inc. and conforms to ASM D 4236 standard practice for labeling art materials for acute and chronic adverse health hazards. | 100     |

## Component Related Regulatory Information

The chemical identity and/or percentage of composition is being withheld as a trade secret.

## Section 4 - FIRST AID MEASURES

### Inhalation

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

### Skin

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

### Eyes

It is unlikely that emergency treatment will be required. Flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, get medical advice/attention.

### Ingestion

Call a poison control center or doctor immediately for treatment advice.

## Most Important Symptoms/Effects

### Acute

No information on significant adverse effects.

### Delayed

No information on significant adverse effects.

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

Treat symptomatically and supportively.

## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

carbon dioxide, regular dry chemical, regular foam, Water

# Safety Data Sheet

Material Name: CRAYOLA® WASHABLE PAINT

SDS ID: CRAY-034

## Unsuitable Extinguishing Media

None known.

## Hazardous Combustion Products

Oxides of carbon

## Advice for firefighters

Slight fire hazard.

## Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

## Special Protective Equipment and Precautions for Firefighters

Wear protective clothing and equipment suitable for the surrounding fire.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning Up

Collect spilled material in appropriate container for disposal.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Wash thoroughly after handling.

### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria.

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

### Incompatible Materials

oxidizing materials

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

### Engineering Controls

Based on available information, additional ventilation is not required.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Eye protection not required under normal conditions.

#### Skin Protection

Protective clothing is not required under normal conditions.

#### Respiratory Protection

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

#### Glove Recommendations

Protective gloves are not required under normal conditions.

# Safety Data Sheet

Material Name: CRAYOLA® WASHABLE PAINT

SDS ID: CRAY-034

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                         |   |               |
|---------------------------------|-------------------------|---|---------------|
| <b>Appearance</b>               | multiple colored liquid | <b>Physical State</b>                         | liquid        |
| <b>Odor</b>                     | faint odor ,floral odor | <b>Color</b>                                  | multiple      |
| <b>Odor Threshold</b>           | Not available           | <b>pH</b>                                     | 7.1 - 9.4     |
| <b>Melting Point</b>            | Not available           | <b>Boiling Point</b>                          | Not available |
| <b>Boiling Point Range</b>      | Not available           | <b>Freezing point</b>                         | Not available |
| <b>Evaporation Rate</b>         | Not available           | <b>Flammability (solid, gas)</b>              | Not available |
| <b>Autoignition Temperature</b> | Not available           | <b>Flash Point</b>                            | Not available |
| <b>Lower Explosive Limit</b>    | Not available           | <b>Decomposition temperature</b>              | Not available |
| <b>Upper Explosive Limit</b>    | Not available           | <b>Vapor Pressure</b>                         | Not available |
| <b>Vapor Density (air=1)</b>    | Not available           | <b>Specific Gravity (water=1)</b>             | Not available |
| <b>Water Solubility</b>         | (Soluble )              | <b>Partition coefficient: n-octanol/water</b> | Not available |
| <b>Viscosity</b>                | 40 - 80                 | <b>Kinematic viscosity</b>                    | Not available |
| <b>Solubility (Other)</b>       | Not available           | <b>Density</b>                                | 8.3 - 10.2    |
| <b>Physical Form</b>            | Liquid                  | <b>Molecular Weight</b>                       | Not available |

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

No hazard expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

None reported.

### Incompatible Materials

oxidizing materials

### Hazardous decomposition products

Oxides of carbon

# Safety Data Sheet

Material Name: CRAYOLA® WASHABLE PAINT

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## Thermal decomposition products

Oxides of carbon

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

No information on significant adverse effects.

#### Skin Contact

No information on significant adverse effects.

#### Eye Contact

No information on significant adverse effects.

#### Ingestion

No information on significant adverse effects.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

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

### Product Toxicity Data

#### Acute Toxicity Estimate

No data available.

#### Immediate Effects

None

#### Delayed Effects

None

#### Irritation/Corrosivity Data

None

#### Respiratory Sensitization

No information available for the product.

#### Dermal Sensitization

No information available for the product.

#### Component Carcinogenicity

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

#### Germ Cell Mutagenicity

No information available for the product.

#### Tumorigenic Data

No data available

#### Reproductive Toxicity

No information available for the product.

#### Specific Target Organ Toxicity - Single Exposure

No target organs identified.

#### Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

#### Aspiration hazard

no data available.

# Safety Data Sheet

**Material Name: CRAYOLA® WASHABLE PAINT**

**SDS ID: CRAY-034**

**Medical Conditions Aggravated by Exposure**

No data available.

**Section 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity**

No information available for the product.

**Component Analysis - Aquatic Toxicity**

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

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Section 13 - DISPOSAL CONSIDERATIONS**

**Disposal Methods**

Dispose in accordance with all applicable federal, state/regional and local laws and regulations. Recycle if possible.

**Component Waste Numbers**

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

**Section 14 - TRANSPORT INFORMATION**

**US DOT Information:**

UN/NA #: Not regulated

**IATA Information:**

UN#: Not regulated

**ICAO Information:**

UN#: Not regulated

**IMDG Information:**

UN#: Not regulated

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

**Section 15 - REGULATORY INFORMATION**

**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

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

No hazard categories applicable.

**U.S. State Regulations**

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

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

Not listed under California Proposition 65.

# Safety Data Sheet

Material Name: CRAYOLA® WASHABLE PAINT

SDS ID: CRAY-034

## Component Analysis - Inventory

### U.S. Inventory (TSCA)

All of the components of this product are listed on the TSCA Inventory.

## Section 16 - OTHER INFORMATION

### NFPA Ratings

Health: 1 Fire: 1 Instability: 0

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

### Summary of Changes

12/12/2019 - Update to Section(s) 1.

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); 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; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); 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; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL), KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; 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; MX - Mexico; Ne - Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; 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; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

### Other Information

#### Disclaimer:

Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.





# MATERIAL SAFETY DATA SHEET

According to 91/155/EEC, 93/112/EC, 2001/58/EC

Page 1 of 5

Date of issue : July 2018  
Date of revision : June 2023

## FOR EMERGENCY AND GENERAL INFORMATION

TOLL FREE HELPLINE : 1800 209 2095

Diversey India Hygiene Pvt. Ltd., 501, 5th Floor, Ackruti Centre Point,  
MIDC Central Road, Andheri (East), Mumbai - 400093. INDIA  
Tel.: +91 22 66444222 Fax : +91 22 66444223

## SECTION 1 - PRODUCT IDENTIFICATION

**Product Name : Virex II 256**

**Application of the product :**

## SECTION 2 - HAZARDS IDENTIFICATION

**Classification :**



C, Corrosive

**Emergency Overview :** Danger. Corrosive. Causes Skin and Eye burns. Harmful or fatal if swallowed. Combustible liquid and vapour.

**Principle routes of exposure :** Eye contact. Skin contact. Inhalation.

**Eyes :** Corrosive. Causes permanent damage including blindness.

**Skin :** Corrosive. Causes permanent damage.

**Inhalation :** May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion :** May be irritating to mouth, throat and stomach.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical characterization

**Description :** Mixture in water of non-dangerous ingredients and the substances listed below.

### Hazardous ingredients :

| CAS        | Ingredients                               | % by Weight | LD50 Oral-Rat (mg/kg) | LD50 Dermal-Rabbit | LC50 Inhalation-Rat |
|------------|---|-------------|-----------------------|--------------------|---------------------|
| 1643-20-5  | Lauryl dimethyl amine oxide               | 0.1-1.5%    | Not available         | Not available      | Not available       |
| 64-17-5    | ethyl alcohol                             | 1-5%        | 7060                  | Not available      | =124.7 mg/l (4 h)   |
| 68424-85-1 | N-Alkyl Dimethyl Benzyl Ammonium Chloride | 5-10%       | 426                   | Not available      | Not available       |
| 7173-51-5  | Didecyl Dimethyl Ammonium Chloride        | 5-10%       | 84                    | Not available      | Not available       |

## SECTION 4 - FIRST AID MEASURES

**Inhalation :** If breathing is affected, remove to fresh air. If person is not breathing, call an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

**Skin contact :** Take off contaminated clothing. Rinse immediately with plenty of water for 15-20 minutes. Get medical attention immediately.

**Eye contact :** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.

**Ingestion :** Call a doctor or poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**Notes to Physician :** Probable mucosal damage may contraindicate the use of gastric lavage.



# MATERIAL SAFETY DATA SHEET

According to 91/155/EEC, 93/112/EC, 2001/58/EC

**Product Name : Virex II 256**

**Aggravated Medical Conditions :** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable extinguishing media :** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Specific hazards :** Although this product has a flash point below 200°F, it is an aqueous solution containing an alcohol and does not sustain combustion.

**Unusual hazards :** Corrosive material (see Sections 8 and 10)

**Specific methods :** No special methods required.

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

**Extinguishing media which must not be used for safety reasons :** No information available.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Protection of personnel :** Put on appropriate personal protective equipment (see Section 8)

**Environmental precautions and Clean-up Method :** Clean-up methods - Large spillage. Remove all sources of ignition. Absorb spill with inert material (eg. dry sand or earth), then place in a chemical waste container. Use a water rinse for a final clean-up.

## SECTION 7 - HANDLING AND STORAGE

**Handling ( see also sections 8 and 15)**

Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. COMBUSTIBLE LIQUID AND VAPOUR. Keep away from open flames, hot surfaces and sources of ignition. Use only in well-ventilated areas. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage :** Protect from freezing. Keep tightly closed in a dry cool and well-ventilated place.. KEEP OUT OF REACH OF CHILDREN.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls :** Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if food ventilation is maintained.

**Personal Protection Equipment:**

**Breathing equipment :** In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Protection of hands :** Chemical resistant gloves.

**Eye protection :** Chemical splash goggles.

**Skin and body protection :** Protective footwear. If major exposure is possible wear suitable protective clothing and footwear.

**Hygiene measures :** If major exposure is possible, wear suitable protective clothing and footwear.

| CAS     | Ingredients   | ACGIH           | OSHA  | Mexico                                      |
|---------|---------------|-----------------|---|---|
| 64-17-5 | ethyl alcohol | 1000 ppm (STEL) | 1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA) | 1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA) |



# MATERIAL SAFETY DATA SHEET

According to 91/155/EEC, 93/112/EC, 2001/58/EC

Product Name : Virex II 256

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### General information :

|  |                          |
|--|--------------------------|
| Form :                                       | Liquid                   |
| Appearance :                                 | Aqueous solution         |
| Colour :                                     | Clear Blue               |
| Odour :                                      | Minty                    |
| Specific gravity :                           | 1.0                      |
| Bulk Density :                               | No information available |
| Evaporation rate :                           | No information available |
| Vapor density :                              | No information available |
| Change in condition :                        |                          |
| Melting point/ Melting range :               | Not determined           |
| Boiling point/ Boiling range :               | Not determined           |
| Decomposition temperature :                  | Not determined           |
| Autoignition temperature :                   | No information available |
| Solubility :                                 | Completely Soluble       |
| Solubility in other solvents :               | No information available |
| Partition coefficient :<br>(n-octanol/water) | No information available |
| Elemental phosphorus :                       | 0.00% by wt.             |
| Density :                                    | 8.34 lbs/gal 1 kg/l.     |
| Flash point :                                | > 187°F > 86.1°C         |
| Viscosity :                                  | No information available |
| VOC :  | 3.1%*                    |
| pH-value :                                   | 10.2                     |
| Dilution pH:                                 | 8.8@1:256                |
| Explosion limits :                           |                          |
| upper :                                      | Not determined           |
| lower :                                      | Not determined           |

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

## SECTION 10 - STABILITY AND REACTIVITY

**Stability :** The product is stable.

**Polymerization:** Hazardous polymerization does not occur.

**Hazardous decomposition products :** None reasonably foreseeable.

**Materials to avoid :** Oxidizing agents.

**Conditions to avoid:** Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute toxicity :** Corrosive. Oral LD50 estimated to be between 1000-2000 mg/kg. Dermal LD50 estimated to be >2000 mg/kg

**Component information :** See Section 3

**Chronic toxicity :** None known.

**Specific Effects :**



# MATERIAL SAFETY DATA SHEET

According to 91/155/EEC, 93/112/EC, 2001/58/EC

**Product Name : Virex II 256**

**Carcinogenic effects :** None known  
**Mutagenic effects :** None known  
**Reproductive toxicity :** None known  
**Target organ effects :** None known

## SECTION 12 - ECOLOGICAL INFORMATION

**Environmental information :** No data available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Do not contaminate water, food or feed by storage or disposal.**

**Storage :** Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container.

**Container Disposal :** See product label for complete disposal instructions. Always dispose of according to all federal, state and local applicable regulations.

## SECTION 14 - TRANSPORT INFORMATION

**Land transport ADR/RID (cross-border)**



**ADR/RID Class :** 8 Corrosive substances  
**Kemler Number :** 80  
**UN-Number :** 1903  
**Packaging Group :** III  
**Label :** 8  
**Proper Shipping Name :** DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (DIDECYL DIMETHYL AMMONIUM CHLORIDE, ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE)

**Maritime transport IMDG :**



**IMDG Class :** 8  
**UN-Number :** 1903  
**Label :** 8  
**Packaging Group :** III  
**Proper Shipping Name :** DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (DIDECYL DIMETHYL AMMONIUM CHLORIDE, ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE)

**Air transport ICAO-TI and IATA-DGR :**



**ICAO / IATA Class:** 8



# MATERIAL SAFETY DATA SHEET

According to 91/155/EEC, 93/112/EC, 2001/58/EC

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**Product Name : Virex II 256**

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**UN-Number :** 1903  
**Label :** 8  
**Packaging Group :** III  
**Proper Shipping Name :** DISINFECTANT, LIQUID, CORROSIVE, N.O.S, (DIDECYL DIMETHYL AMMONIUM CHLORIDE, ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE)

**Transport / Additional Information :** Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

## SECTION 15 - REGULATORY INFORMATION

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**International Inventories at CAS# Level :** All components of this product are listed on the following inventories : U.S.A. (TSCA)

**US Regulations :**

**EPA Reg. No. :** 70627-24

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

**CERCLA/SARA**

**SARA 311/312 Hazard Categories :**

Immediate : X  
Delayed : -  
Fire : X  
Reactivity : -  
Sudden Release of Pressure : -

## SECTION 16 - OTHER INFORMATION

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The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

**Department issuing material safety data sheet:**

**Contact :**

Diversey India Hygiene Pvt. Ltd.

501, 5th Floor, Ackruti Centre Point, MIDC Central Road,

Andheri (East), Mumbai - 400093. INDIA

Tel.: +91 2266444222. Fax: +91 2266444223

*\* In case of local regulation change or formulation change this MSDS may undergo revision before the stated revision date.*

## Section 1. Identification

**Product name** : Expo White Board Cleaner

**Material uses** : Cleaning solutions.

**Manufacturer** : Newell Rubbermaid  
3500 Lacey Road, 10th Floor  
Downers Grove, IL 60515  
USA  
800-323-0749 or 630-829-2500

**Emergency telephone number (with hours of operation)** : CHEMTREC (U.S. and Canada) 1-800-424-9300

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

### GHS label elements

**Signal word** : Not applicable

**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**General** : Read label before use. If medical advice is needed, have product container or label at hand.

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

| Ingredient name     | %     | CAS number |
|---------------------|-------|------------|
| 3-butoxypropan-2-ol | 2 - 5 | 5131-66-8  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 3. Composition/information on ingredients

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

## Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Clear.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not available.
- Burning time** : Not applicable.
- Burning rate** : Not applicable.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : Not available.
- Solubility** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- SADT** : Not available.
- Viscosity** : Not available.

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose       | Exposure |
|-------------------------|-------------|---------|------------|----------|
| 3-butoxypropan-2-ol     | LD50 Dermal | Rabbit  | 3100 mg/kg | -        |

#### Irritation/Corrosion

No known significant effects or critical hazards.

#### Sensitization

No known significant effects or critical hazards.

#### Mutagenicity

No known significant effects or critical hazards.

#### Carcinogenicity

No known significant effects or critical hazards.

#### Reproductive toxicity

No known significant effects or critical hazards.

#### Teratogenicity

No known significant effects or critical hazards.

#### Specific target organ toxicity (single exposure)

No known significant effects or critical hazards.

#### Specific target organ toxicity (repeated exposure)

No known significant effects or critical hazards.

#### Aspiration hazard

No known significant effects or critical hazards.

**Information on the likely routes of exposure** : Not available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

## Section 11. Toxicological information

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route  | ATE value     |
|--------|---------------|
| Dermal | 63798.6 mg/kg |

## Section 12. Ecological information

### Toxicity

No known significant effects or critical hazards.

### Persistence and degradability

No known significant effects or critical hazards.

### Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| 3-butoxypropan-2-ol     | 1.2                | -   | low       |

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                            | DOT<br>Classification | TDG<br>Classification | Mexico<br>Classification | IMDG           | IATA           |
|----------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|
| UN number                  | Not regulated.        | Not regulated.        | Not regulated.           | Not regulated. | Not regulated. |
| UN proper shipping name    | -                     | -                     | -                        | -              | -              |
| Transport hazard class(es) | -                     | -                     | -                        | -              | -              |
| Packing group              | -                     | -                     | -                        | -              | -              |
| Environmental hazards      | No.                   | No.                   | No.                      | No.            | No.            |
| Additional information     | -                     | -                     | -                        | -              | -              |

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.

### SARA 311/312

**Classification** : Not applicable.

### Composition/information on ingredients

| Name                | %     | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---------------------|-------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| 3-butoxypropan-2-ol | 2 - 5 | Yes.        | No.                        | No.      | Yes.                            | No.                             |

### California Prop. 65

This product does not contain Chemicals known to State of California to cause cancer, birth defects, or reproductive harm.

### Canada

**WHMIS (Canada)** : Not controlled under WHMIS (Canada).

### Canadian lists

**Canadian NPRI** : The following components are listed: Propylene glycol butyl ether

**CEPA Toxic substances** : None of the components are listed.

**Canada inventory** : All components are listed or exempted.

## Section 16. Other information

### History

**Date of issue/Date of revision** : 8/5/2015

**Date of previous issue** : No previous validation

**Version** : 1

**Prepared by** : Product Safety.

## Section 16. Other information

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
UN = United Nations

▣ Indicates information that has changed from previously issued version.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**MATERIAL SAFETY DATA SHEET**

Date Printed: 06/30/15

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: MS-34000's  
PRODUCT NAME: FA HOME DÉCOR CHALK PAINT

PLAID ENTERPRISES, INC.  
3225 WESTECH DRIVE  
NORCROSS, GA 30092

PHONE: 678-291-8100      CHEMTREC 24-HOUR PHONE: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONENT/EXPOSURE LIMITS | CAS# | % BY WT. |
|---------------------------|------|----------|
|---------------------------|------|----------|

---

\*\*\*\*\*No reportable quantities of hazardous materials are present.\*\*\*\*\*

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE: Direct contact with material may cause slight irritation.

SKIN: Prolonged or repeated contact may cause slight skin irritation.

INGESTION: Not an anticipated route of exposure. Small amounts are not anticipated to be harmful.

INHALATION: Exposure to vapors in poorly ventilated areas may cause irritation of the nose, throat, and respiratory tract.

CHRONIC (CANCER) INFORMATION: No anticipated chronic effects. This product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

TERATOLOGY (BIRTH DEFECT) INFORMATION: Product does not contain chemicals at levels known to cause birth defects.

REPRODUCTION INFORMATION: Product does not contain chemicals at levels known to cause reproductive toxicity.

4. FIRST AID MEASURES

EYES: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

# MATERIAL SAFETY DATA SHEET

Date Printed: 06/30/15

SKIN: Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

INGESTION: Small amounts are not anticipated to be harmful. Give 2 glasses of water to drink.

INHALATION: Remove to fresh air. Get medical attention if breathing is difficult.

NOTE TO PHYSICIANS: Please contact your local poison control center for information regarding this product.

## 5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: Not Determined      METHOD: Not Determined

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: Not Determined

UPPER FLAMMABLE LIMIT: Not Determined

AUTOIGNITION TEMPERATURE: Not Applicable.

HAZARDOUS COMBUSTION PRODUCTS: Not Applicable

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire, water spray, foam, carbon dioxide, or dry chemical.

FIREFIGHTING INSTRUCTIONS: Use water spray to cool containers not actively involved in fire. Self-contained breathing apparatus recommended for fire fighters.

## 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb spill with inert material.

LARGE SPILL: Floor may be slippery, use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Caution: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

## 7. HANDLING AND STORAGE

# MATERIAL SAFETY DATA SHEET

Date Printed: 06/30/15

**HANDLING:** Avoid employee exposure through the use of appropriate engineering controls, adequate personal protective equipment, and good industrial hygiene practices. Wash thoroughly after handling. Handle in well-ventilated workspace.

**STORAGE:** Store in a moderate cool, dry, well ventilated area away from direct sources of heat. Avoid freezing (32F). Position containers so that any labeling information is visible. Keep containers closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** The use of local exhaust ventilation is recommended to control emissions near the source. Additional engineering controls should be used as necessary.

**RESPIRATORY PROTECTION:** Respiratory protection is generally not required. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Impervious clothing should be worn when gross contact is likely, such as when cleaning up large spills. Neoprene gloves may provide protection against permeation.

**EYE PROTECTION:** Use safety glasses with side shields (ANSI Z87.1 or approved equivalent).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** 212 Deg. F

**MELTING POINT:** Not determined.

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined.

**SOLUBILITY IN WATER:** 100% Soluble or dispersible.

**SPECIFIC GRAVITY:** 1.42

**PH:** 8.5 to 9.5

**ODOR:** Acrylic odor

**APPEARANCE:** Various Colors

**COATING VOC:** .4 lb/gl

**MATERIAL VOC:** .13 lb/gl

## 10. STABILITY AND REACTIVITY

# MATERIAL SAFETY DATA SHEET

Date Printed: 06/30/15

**CHEMICAL STABILITY (CONDITIONS TO AVOID):** This material is considered stable. However, avoid temperatures above 177C/350F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

**INCOMPATIBILITY:** There are no known materials which are incompatible with this product.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition will not occur.

**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

As packaged for consumers, this product is certified in a toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans, including children, or to cause acute or chronic health problems.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No applicable data.

**CHEMICAL FATE INFORMATION:** Appreciable evaporation from water to air is expected in the environment. No appreciable bioconcentration is expected in the environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Local, State, and Federal waste disposal regulations.

## 14. TRANSPORT INFORMATION:

NOT MEANT TO BE ALL INCLUSIVE

US DOT Hazard Class.....Nonregulated

## 15. REGULATORY INFORMATION:

NOT MEANT TO BE ALL INCLUSIVE - SELECTED REGULATIONS REPRESENTED

**U.S. FEDERAL REGULATIONS:** The components of this product are included on the TSCA inventory.

**OSHA:** This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200)

# MATERIAL SAFETY DATA SHEET

Date Printed: 06/30/15

CERCLA: SARA HAZARD CATEGORY: Release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

SECTION 313: This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

## INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This product is not a controlled product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All components of this product are on the Domestic Substances List (DSL), and acceptable for use under the provisions of CEPA.

EINECS: All the components of this product are on the European Inventory of Existing Commercial Chemical Substances.

## STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS: The Volatile Organic Compounds (VOCs) are below the emission limits as regulated by The Environmental Protection Agency (EPA) and state regulations.

## 16. OTHER INFORMATION

NAME OF PREPARER: Heather Trundle

REVISION DATE: 05-04-2014

HMIS CODES: H F R P  
1 0 0 A

HMIS HAZARD RATINGS: H=HEALTH, F=FIRE, R=REACTIVITY, P=PERSONAL

SCALE: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

PERSONAL PROTECTION: See Section 8, Exposure Controls/Personal Protection for recommended handling of material as supplied; check with supervisor for your actual use condition.

# MATERIAL SAFETY DATA SHEET

Date Printed: 06/30/15

HMIS is a registered trademark of the National Paint and Coatings Association.

## LIST OF ACRONYMS:

ACGIH: American Conference of Government Industrial Hygienists

IARC: International Agency for Research on Cancer

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PPM: Parts Per Million

SARA: Superfund Amendment Reauthorization Act

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

Please note that this MSDS applies to industrial handling of this material. Consumers should read product label. The information and recommendations set forth herein are believed to be accurate. The data is derived from information provided to Plaid Enterprises, Inc. from its raw material suppliers. Plaid Enterprises, Inc. makes no guarantee or warranty, expressed or implied, regarding the accuracy, reliability, or completeness of the data or the results to be obtained from the use thereof. It is the responsibility of the user of the product to comply with all applicable federal, state, and local laws and regulations.

**MATERIAL SAFETY DATA SHEET**

Date Printed: 06/30/15

## 1. Identification

|   |   |
|---|---|
| <b>Product identifier</b>                                     | <b>QT-TB</b>  |
| <b>Other means of identification</b>                          |   |
| <b>SDS number</b>   | 538N-57A  |
| <b>Product code</b>   | HIL01011  |
| <b>Product registration number</b>                            | 1839-83-1658  |
| <b>Recommended use</b>  | Disinfectant/Cleaner  |
| <b>Recommended restrictions</b>                               | None known.   |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |
| <b>Manufacturer</b>   |   |
| <b>Manufacturer</b>   |   |
| <b>Company name</b>   | HILLYARD INDUSTRIES   |
| <b>Address</b>  | 302 North Fourth St.<br>St. Joseph, MO 64501  |
| <b>Contact person</b>   | Regulatory Affairs  |
| <b>Telephone number</b>                                       | (816) 233-1321 (Ext. 8285)  |
| <b>Fax</b>  | (816) 383-8485  |
| <b>E-mail</b>   | regulatoryaffairs@hillyard.com  |
| <b>Emergency telephone #</b>                                  | (800) 424-9300<br>(Only in the event of chemical emergency involving a spill, leak, fire, exposure, or accident involving chemicals.) |

## 2. Hazard(s) identification

|  |  |             |
|--|--|-------------|
| <b>Physical hazards</b>                          | Flammable liquids  | Category 4  |
| <b>Health hazards</b>                            | Serious eye damage/eye irritation  | Category 2B |
| <b>Environmental hazards</b>                     | Not classified.  |             |
| <b>OSHA defined hazards</b>                      | Not classified.  |             |
| <b>Label elements</b>                            |  |             |
| <b>Hazard symbol</b>                             | None.  |             |
| <b>Signal word</b>                               | Warning  |             |
| <b>Hazard statement</b>                          | Combustible liquid. Causes eye irritation.   |             |
| <b>Precautionary statement</b>                   |  |             |
| <b>Prevention</b>                                | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.  |             |
| <b>Response</b>                                  | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. |             |
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep cool.   |             |
| <b>Disposal</b>                                  | Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law in compliance with applicable federal, state and local requirements.                           |             |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |             |
| <b>Supplemental information</b>                  | None.  |             |

## 3. Composition/information on ingredients

### Mixtures

| Chemical name   | Common name and synonyms | CAS number | %        |
|---|--------------------------|------------|----------|
| 2-(2-butoxyethoxy)ethanol                                       |                          | 112-34-5   | 5 - < 10 |
| Tetrasodium ethylenediamine tetraacetate                        |                          | 64-02-8    | 1 - < 3  |
| Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride |                          | 85409-23-0 | < 0.2    |
| Alkyl dimethyl benzyl ammonium chloride (C12-18)                |                          | 68391-01-5 | < 0.2    |
| Other components below reportable levels                        |                          |            | 90 - 100 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.   |

#### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| <b>General fire hazards</b>  | Combustible liquid.  |

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|--|--|

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

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

**Environmental precautions**

**7. Handling and storage**

**Precautions for safe handling**

Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

Keep away from heat, sparks and open flame. Store away from incompatible materials (see Section 10 of the SDS).

Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

| Components                               | Type | Value  | Form                          |
|--|------|--------|-------------------------------|
| 2-(2-butoxyethoxy)ethanol (CAS 112-34-5) | TWA  | 10 ppm | Inhalable fraction and vapor. |

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

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

**Eye/face protection**

Use safety eyewear with splash guards or side shields, chemical goggles, or face shields.

**Skin protection**

**Hand protection**

Wear protective gloves.

**Other**

None normally required. If unable to avoid prolonged or repeated contact with skin, wear impervious clothing.

**Respiratory protection**

Not normally required with adequate ventilation. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**Appearance**

Clear, colorless liquid

**Physical state**

Liquid.

**Form**

Liquid.

**Color**

Colorless

**Odor**

Lemon odor

**Odor threshold**

Not available

|   |                                       |
|---|---------------------------------------|
| <b>pH</b>   | 12 - 13 Concentrate                   |
| <b>Melting point/freezing point</b>                 | Not applicable / Not available        |
| <b>Initial boiling point and boiling range</b>      | 210 °F (98.89 °C)                     |
| <b>Flash point</b>                                  | > 180.0 °F (> 82.2 °C) Tag Closed Cup |
| <b>Evaporation rate</b>                             | < 1 (ethyl ether = 1)                 |
| <b>Flammability (solid, gas)</b>                    | Not available.                        |
| <b>Upper/lower flammability or explosive limits</b> |                                       |
| <b>Explosive limit - lower (%)</b>                  | Not available.                        |
| <b>Explosive limit - upper (%)</b>                  | Not available.                        |
| <b>Vapor pressure</b>                               | 17.36 mm Hg                           |
| <b>Vapor density</b>                                | 1.03 Air = 1                          |
| <b>Relative density</b>                             | 1.02 at 77°F                          |
| <b>Solubility(ies)</b>                              |                                       |
| <b>Solubility (water)</b>                           | 100 % Complete                        |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available                         |
| <b>Auto-ignition temperature</b>                    | Not available                         |
| <b>Decomposition temperature</b>                    | Not available                         |
| <b>Viscosity</b>                                    | Not available                         |
| <b>Other information</b>                            |                                       |
| <b>Density</b>                                      | 8.49 lb/gal                           |
| <b>Percent volatile</b>                             | 96.5 - 97.5 %                         |
| <b>VOC (Weight %)</b>                               | 8.01 %                                |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | Reacts violently with strong acids. This product may react with oxidizing agents.   |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.   |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Acids. Oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                 |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected. |
| <b>Eye contact</b>  | Causes eye irritation.                               |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.               |

**Symptoms related to the physical, chemical and toxicological characteristics** Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.

### Information on toxicological effects

**Acute toxicity** Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

| Product       | Species | Test Results          |
|---------------|---------|-----------------------|
| QT-TB         |         |                       |
| <b>Acute</b>  |         |                       |
| <i>Dermal</i> |         |                       |
| LD50          | Rabbit  | 33750 mg/kg estimated |

| Product           | Species    | Test Results  |
|-------------------|------------|---|
| <i>Inhalation</i> |            |   |
| LC50              | Mouse      | 5882.353 mg/l, 2 Hours estimated<br>5871.021 mg/l, 4 Hours estimated      |
|                   | Rat        | 12058.8232 mg/l, 0.5 Hours estimated<br>7058.8237 mg/l, 4 Hours estimated |
| <i>Oral</i>       |            |   |
| LD50              | Guinea pig | 24837.5996 mg/kg estimated  |
|                   | Mouse      | 27265.4043 mg/kg estimated  |
|                   | Rabbit     | 27500 mg/kg estimated   |
|                   | Rat        | 48439.9336 mg/kg estimated  |
| Components        | Species    | Test Results  |

2-(2-butoxyethoxy)ethanol (CAS 112-34-5)

**Acute**

*Dermal*

LD50 Rabbit 2700 mg/kg

*Oral*

LD50 Guinea pig 2000 mg/kg  
 Mouse 2400 mg/kg  
 Rabbit 2200 mg/kg  
 Rat 4500 mg/kg

Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8)

**Acute**

*Oral*

LD50 Rat > 2000 mg/kg

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

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

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

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

Not listed.

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

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

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

**Aspiration hazard** Prolonged inhalation may be harmful.

**Chronic effects** Prolonged inhalation may be harmful.

**12. Ecological information**

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product        | Species |         | Test Results                        |
|----------------|---------|---------|-------------------------------------|
| QT-TB          |         |         |                                     |
| <b>Aquatic</b> |         |         |                                     |
| Crustacea      | EC50    | Daphnia | 27111.5469 mg/l, 48 hours estimated |
| Fish           | LC50    | Fish    | 14750.9004 mg/l, 96 hours estimated |

| Components   | Species |                                | Test Results             |
|--|---------|--------------------------------|--------------------------|
| 2-(2-butoxyethoxy)ethanol (CAS 112-34-5)               |         |                                |                          |
| <b>Aquatic</b>   |         |                                |                          |
| Fish   | LC50    | Bluegill (Lepomis macrochirus) | 1300 mg/l, 96 hours      |
| Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8) |         |                                |                          |
| <b>Aquatic</b>   |         |                                |                          |
| Fish   | LC50    | Bluegill (Lepomis macrochirus) | 472 - 500 mg/l, 96 hours |

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

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

**Bioaccumulative potential**

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

2-(2-butoxyethoxy)ethanol 0.56

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions** PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** PESTICIDE DISPOSAL – Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging** CONTAINER DISPOSAL – Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Repeat this procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**DOT**  
Not regulated as dangerous goods.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List or Exempt.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

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

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

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

Not listed.

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

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

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

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

**Other federal regulations**

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

**FIFRA Information** FIFRA: This product is a U.S. EPA Registered pesticide, EPA Reg. No. 1839-83-1658, and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. The hazard information required on the pesticide label is reproduced here.

PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
 CAUTION

KEEP OUT OF REACH OF CHILDREN. Causes moderate eye irritation. Avoid contact with eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

FIRST AID: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.  
 NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

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

Not listed.

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

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

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

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

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

**Issue date** 04-04-2015  
**Version #** 01  
**HMIS® ratings** Health: 1  
Flammability: 2  
Physical hazard: 0

**Disclaimer** No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product(s) or information contained in this material safety data sheet. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state or local regulations concerning the use, misuse or disposal of these products.

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

| IDENTITY AND MANUFACTURER'S INFORMATION   |            |   |  |  |                           |
|---|------------|---|--|--|---------------------------|
| <b>NFPA Rating:</b> Health-1; Flammability-1; Reactivity-0; Special-0   |            |   | <b>HMIS Rating:</b> Health-1; Flammability-1; Reactivity-0; Personal Protection-B  |  |                           |
| Manufacturer's Name: <b>AMREP, INC.</b><br>Address: 990 Industrial Park Drive<br>Marietta, GA 30062   |            |   | DOT Hazard Classification: ORM-D<br>Identity (trade name as used on label):<br><b>MISTY UPHOLSTERY CARPET &amp; FABRIC CLEANER</b> |  |                           |
| Date Prepared: 09/22/95 Prepared By: DL/KD<br>Information Calls: (770)422-2071<br><b>EMERGENCY RESPONSE NUMBER: 1(800)255-3924</b>  |            |   | MSDS Number: 174 Revision- 1<br>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA  |  |                           |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION   |            |   |  |  |                           |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES<br>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)   | CAS Number | SARA III LIST                           | OSHA PEL (ppm)   | ACGIH TLV (ppm)  | Carcinogen Ref. Source ** |
| ISOPROPANOL   | 67-63-0    | No                                      | 500  | 400  | d                         |
| ISOBUTANE / PROPANE BLEND   | 75-28-5    | No                                      | 800  | 800  | d                         |
|   | 74-98-6    | No                                      | 1000   | 1000   | d                         |
|   |            |   |  |  |                           |
|   |            |   |  |  |                           |
|   |            |   |  |  |                           |
|   |            |   |  |  |                           |
|   |            |   |  |  |                           |
|   |            |   |  |  |                           |
|   |            |   |  |  |                           |
| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS   |            |   |  |  |                           |
| <b>Boiling Point:</b> N/A   |            |   | <b>Specific Gravity (H<sub>2</sub>O=1):</b> Concentrate Only = 0.99  |  |                           |
| <b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max.60   |            |   | <b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/A   |  |                           |
| <b>Vapor Density (Air = 1):</b> N/E   |            |   | <b>Evaporation Rate ( = 1):</b> N/E  |  |                           |
| <b>Solubility in Water:</b> Soluble   |            |   | <b>Water Reactive:</b> No  |  |                           |
| <b>Appearance and Odor:</b> White foam, citrus fragrance.   |            |   |  |  |                           |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA  |            |   |  |  |                           |
| <b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) <b>NON-FLAMMABLE</b>  |            | <b>Auto Ignition Temperature</b><br>N/E |  | <b>Flammability Limits in Air by % in Volume:</b><br>% LEL: N/E % UEL: N/E |                           |
| <b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A  |            |   | <b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide.   |  |                           |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.  |            |   |  |  |                           |
| <b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture.   |            |   |  |  |                           |
| SECTION 4 - REACTIVITY HAZARD DATA  |            |   |  |  |                           |
| <b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE   |            |   | <b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR                   |  |                           |
| <b>Incompatibility</b> (Mat. to avoid): Strong oxidizers.   |            |   | <b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.  |  |                           |
| <b>Hazardous Decomposition Products:</b> Carbon monoxide, carbon dioxide.   |            |   |  |  |                           |
| SECTION 5 - HEALTH HAZARD DATA  |            |   |  |  |                           |
| <b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS |            |   |  |  |                           |
| ACUTE EFFECTS   |            |   |  |  |                           |
| <b>Inhalation:</b> Excessive inhalation of vapors can be harmful & may cause headache, dizziness, asphyxia, anesthetic effects & possible unconsciousness.  |            |   |  |  |                           |
| <b>Eye Contact:</b> Slight irritation.  |            |   | <b>Skin Contact:</b> Slight irritation.  |  |                           |
| <b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs.  |            |   |  |  |                           |
| CHRONIC EFFECTS: None Known.  |            |   |  |  |                           |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.  |            |   |  |  |                           |
| EMERGENCY FIRST AID PROCEDURES  |            |   |  |  |                           |
| <b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.  |            |   |  |  |                           |
| <b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.  |            |   |  |  |                           |
| <b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.  |            |   |  |  |                           |
| <b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink two large glasses of water. Get immediate medical attention.   |            |   |  |  |                           |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES   |            |   |  |  |                           |
| <b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by NIOSH to be used in a positive pressure mode.  |            |   |  |  |                           |
| <b>Protective Gloves:</b> Disposable latex gloves suggested.  |            |   | <b>Eye Protection:</b> Safety glasses recommended.   |  |                           |
| <b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.  |            |   |  |  |                           |
| <b>Other Protective Clothing &amp; Equipment:</b> None  |            |   |  |  |                           |
| <b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.  |            |   |  |  |                           |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE   |            |   |  |  |                           |
| <b>Steps To Be Taken If Material Is Spilled Or Released:</b> Flush to sewer with water.   |            |   |  |  |                           |
| <b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.  |            |   |  |  |                           |
| <b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.   |            |   |  |  |                           |
| <b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> Avoid food contamination. Avoid breathing vapors.  |            |   |  |  |                           |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

# Material Safety Data Sheet



Date of issue 10 May 2017

Version 1.01

## 1. Product and company identification

**Product name** : 74621 OLYMPIC PAINT ASSURE INTERIOR LATEX FLAT BASE 1

**Code** : 00391334

**Manufacturer / Supplier** : PPG Industries, Inc.  
One PPG Place  
Pittsburgh, PA 15272

**Emergency telephone number** : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

**Technical Phone Number** : 1-800-441-9695 (8:00 am to 5:00 pm EST)

## 2. Hazards identification

**Emergency overview** : WARNING!

MAY BE HARMFUL IF INHALED OR SWALLOWED. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

### Potential acute health effects

**Inhalation** : May be harmful if inhaled.

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

**Skin** : No known significant effects or critical hazards.

**Eyes** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. If splashed in the eyes, the liquid may cause irritation and reversible damage. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure.

**Medical conditions aggravated by over-exposure** : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

This Material Safety Data Sheet has been prepared in accordance with Canada's Workplace Hazardous Materials Information System (WHMIS).

See toxicological information (Section 11)

## 3. Composition/information on ingredients

| <u>Name</u>                        | <u>CAS number</u> | <u>% (w/w)</u> |
|------------------------------------|-------------------|----------------|
| Titanium dioxide                   | 13463-67-7        | 10 - 30        |
| Silicic acid, aluminum sodium salt | 1344-00-9         | 1 - 5          |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4 . First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.  
In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.  
In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5 . Fire-fighting measures

**Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.

### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon oxides  
metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not swallow. Do not get in eyes or on skin or clothing. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Storage** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

| Name                               | Result | ACGIH  | Ontario                 | Mexico                | PPG             |
|------------------------------------|--------|--|-------------------------|-----------------------|-----------------|
| Titanium dioxide                   | TWA    | 10 mg/m <sup>3</sup>                                 | 10 mg/m <sup>3</sup> TD | 10 mg/m <sup>3</sup>  | Not established |
| Silicic acid, aluminum sodium salt | TWA    | 2 mg/m <sup>3</sup> (as Al)<br>1 mg/m <sup>3</sup> R | 1 mg/m <sup>3</sup> R   | 1 mg/m <sup>3</sup> R | Not established |

### Key to abbreviations

|       |  |      |                                    |
|-------|--|------|------------------------------------|
| A     | = Acceptable Maximum Peak                                    | SR   | = Respiratory sensitization        |
| ACGIH | = American Conference of Governmental Industrial Hygienists. | SS   | = Skin sensitization               |
| C     | = Ceiling Limit  | STEL | = Short term Exposure limit values |
| F     | = Fume   | TD   | = Total dust                       |
| IPEL  | = Internal Permissible Exposure Limit                        | TLV  | = Threshold Limit Value            |
| R     | = Respirable   | TWA  | = Time Weighted Average            |
| S     | = Potential skin absorption                                  |      |                                    |

### Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- Engineering measures** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protection

- Eyes** : Safety glasses with side shields.

## 8 . Exposure controls/personal protection

|  |  |
|--|--|
| <b>Hands</b>                           | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| <b>Gloves</b>                          | : polyethylene   |
| <b>Respiratory</b>                     | : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.   |
| <b>Skin</b>                            | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| <b>Environmental exposure controls</b> | : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.   |

## 9 . Physical and chemical properties

|   |  |
|---|--|
| <b>Physical state</b>                         | : Liquid.  |
| <b>Flash point</b>                            | : Closed cup: Not applicable. [Product does not sustain combustion.] |
| <b>Color</b>                                  | : Various  |
| <b>Odor</b>                                   | : Characteristic.  |
| <b>pH</b>                                     | : 9  |
| <b>Boiling/condensation point</b>             | : 100°C (212°F)  |
| <b>Melting/freezing point</b>                 | : Not available.   |
| <b>Specific gravity</b>                       | : 1.32   |
| <b>Density ( lbs / gal )</b>                  | : 11.02  |
| <b>Vapor pressure</b>                         | : 3.3 kPa (25 mm Hg) [room temperature]                              |
| <b>Vapor density</b>                          | : Not available.   |
| <b>Volatility</b>                             | : 67% (v/v), 50.988% (w/w)   |
| <b>Evaporation rate</b>                       | : 0.05 (butyl acetate = 1)   |
| <b>Solubility</b>                             | : Soluble in the following materials: cold water.                    |
| <b>Partition coefficient: n-octanol/water</b> | : Not available.   |
| <b>% Solid. (w/w)</b>                         | : 49.012   |

## 10 . Stability and reactivity

|   |   |
|---|---|
| <b>Stability</b>                        | : This mixture contains materials which are unstable under the following conditions: strong UV sources free radical initiators peroxides strong alkalis strong acids reactive metals These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided. Stable under recommended storage and handling conditions (see Section 7). |
| <b>Conditions to avoid</b>              | : No specific data.   |
| <b>Materials to avoid</b>               | : Reactive or incompatible with the following materials:,water,acids,oxidizing materials, strong alkalis  |
| <b>Hazardous decomposition products</b> | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |

## 10 . Stability and reactivity

**Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11 . Toxicological information

### Acute toxicity

| Product/ingredient name            | Result    | Species | Dose     | Exposure |
|------------------------------------|-----------|---------|----------|----------|
| Titanium dioxide                   | LD50 Oral | Rat     | >11 g/kg | -        |
| Silicic acid, aluminum sodium salt | LD50 Oral | Rat     | >27 g/kg | -        |

**Conclusion/Summary** : Not available.

### Chronic toxicity

**Conclusion/Summary** : Not available.

### Target organs

: Contains material which may cause damage to the following organs: lungs, the nervous system, upper respiratory tract, skin.

### Carcinogenicity

**Carcinogenicity** : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

### Classification

| Product/ingredient name            | ACGIH | IARC | NTP |
|------------------------------------|-------|------|-----|
| Titanium dioxide                   | A4    | 2B   | -   |
| Silicic acid, aluminum sodium salt | A4    | -    | -   |

**Carcinogen Classification code:**  
 ACGIH: A1, A2, A3, A4, A5  
 IARC: 1, 2A, 2B, 3, 4  
 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen  
 Not listed or regulated as a carcinogen: -

## 12 . Ecological information

**Environmental effects** : No known significant effects or critical hazards.

| Product/ingredient name | Result                           | Species                 | Exposure |
|-------------------------|----------------------------------|-------------------------|----------|
| Titanium dioxide        | Acute LC50 >100 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |

## 13 . Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

|                             | TDG             | Mexico          | IMDG            |
|-----------------------------|-----------------|-----------------|-----------------|
| UN number                   | Not regulated.  | Not regulated.  | Not regulated.  |
| UN proper shipping name     | -               | -               | -               |
| Transport hazard class(es)  | -               | -               | -               |
| Packing group               | -               | -               | -               |
| Environmental hazards       | No.             | No.             | No.             |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |

### Additional information

TDG : None identified.

Mexico : None identified.

IMDG : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. Regulatory information

**Canada inventory (DSL)** : At least one component is not listed in DSL but all such components are listed in NDSL.

### Canada

**WHMIS (Canada)** : Class D-2A: Material causing other toxic effects (Very toxic).

### Mexico

#### Classification

**Flammability** : 0    **Health** : 1    **Reactivity** : 0

## 16. Other information

### Hazardous Material Information System (U.S.A.)

**Health** : 1    \*    **Flammability** : 0    **Physical hazards** : 0

(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

**Health** : 1    **Flammability** : 0    **Instability** : 0

## 16 . Other information

Date of previous issue : 3/24/2017

Organization that prepared the MSDS : EHS

✔ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

## Section 1. Identification

**GHS product identifier** : +Optimize Thick Hand Sanitizer

**Other means of identification** : Not available.

**Product code** : 4022054/4022052

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**

Not applicable.

**Supplier's details** : Keystone Research & Pharmaceutical  
480 South Democrat Rd.  
Gibbstown, NJ 08027  
856-663-4700

**Emergency telephone number (with hours of operation)** : (800) 535-5053

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 3  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A

Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 68.2%  
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1.2%

**GHS label elements**

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : Flammable liquid and vapor.  
Causes serious eye irritation.  
Causes skin irritation.

**Precautionary statements**

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Wash hands thoroughly after handling.

## Section 2. Hazards identification

- Response** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Storage** : Store in a well-ventilated place. Keep cool.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

### CAS number/other identifiers

- CAS number** : Not applicable.

| Ingredient name | CAS number | EC number | INCI Name | %         |
|-----------------|------------|-----------|-----------|-----------|
| ethanol         | 64-17-5    | 200-578-6 | ALCOHOL   | ≥60 - ≤75 |
| glycerol        | 56-81-5    | 200-289-5 | GLYCERIN  | ≤3        |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

## Section 4. First aid measures

If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
  - redness
  - irritation
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name | Exposure limits  |
|-----------------|--|
| ethanol         | <p><b>ACGIH TLV (United States, 3/2019).</b><br/>                     STEL: 1000 ppm 15 minutes.</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>                     TWA: 1000 ppm 8 hours.<br/>                     TWA: 1900 mg/m<sup>3</sup> 8 hours.</p> <p><b>NIOSH REL (United States, 10/2016).</b><br/>                     TWA: 1000 ppm 10 hours.<br/>                     TWA: 1900 mg/m<sup>3</sup> 10 hours.</p> <p><b>OSHA PEL (United States, 5/2018).</b><br/>                     TWA: 1000 ppm 8 hours.<br/>                     TWA: 1900 mg/m<sup>3</sup> 8 hours.</p> |
| glycerol        | <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>                     TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction<br/>                     TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Total dust</p> <p><b>OSHA PEL (United States, 5/2018).</b><br/>                     TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction<br/>                     TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust</p>   |

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin protection

## Section 8. Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Opaque.
- Odor** : Alcohol-like.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: 25°C (77°F)
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 0.9
- Solubility** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Viscosity** : Not available.
- Flow time (ISO 2431)** : Not available.

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## Section 10. Stability and reactivity

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result                | Species | Dose                     | Exposure |
|-------------------------|-----------------------|---------|--------------------------|----------|
| ethanol                 | LC50 Inhalation Vapor | Rat     | 124700 mg/m <sup>3</sup> | 4 hours  |
|                         | LD50 Oral             | Rat     | 7 g/kg                   | -        |
| glycerol                | LD50 Oral             | Rat     | 12600 mg/kg              | -        |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure                   | Observation |
|-------------------------|--------------------------|---------|-------|----------------------------|-------------|
| ethanol                 | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 mg            | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 0.066666667 minutes 100 mg | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 100 UI                     | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 500 mg                     | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 400 mg                     | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20 mg             | -           |
| glycerol                | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 mg            | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 mg            | -           |

#### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| ethanol                 | -    | 3    | -   |

**Information on the likely routes of exposure** : Not available.

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

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

## Section 11. Toxicological information

- Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
 redness  
 irritation
- Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                               | Species                                    | Exposure |
|-------------------------|--------------------------------------|--|----------|
| ethanol                 | Acute EC50 17.921 mg/l Marine water  | Algae - Ulva pertusa                       | 96 hours |
|                         | Acute EC50 2000 µg/l Fresh water     | Daphnia - Daphnia magna                    | 48 hours |
|                         | Acute LC50 25500 µg/l Marine water   | Crustaceans - Artemia franciscana - Larvae | 48 hours |
|                         | Acute LC50 42000 µg/l Fresh water    | Fish - Oncorhynchus mykiss                 | 4 days   |
|                         | Chronic NOEC 4.995 mg/l Marine water | Algae - Ulva pertusa                       | 96 hours |
|                         | Chronic NOEC 100 ul/L Fresh water    | Daphnia - Daphnia magna - Neonate          | 21 days  |
|                         | Chronic NOEC 0.375 ul/L Fresh water  | Fish - Gambusia holbrooki - Larvae         | 12 weeks |

## Section 12. Ecological information

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| ethanol                 | -0.35              | -   | low       |
| glycerol                | -1.76              | -   | low       |

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                            | DOT<br>Classification  | TDG<br>Classification   | Mexico<br>Classification   | ADR/RID   | IMDG  | IATA   |
|----------------------------|--|---|--|---|---|--|
| UN number                  | UN1170   | UN1170  | UN1170   | UN1170  | UN1170  | UN1170   |
| UN proper shipping name    | Ethanol Solutions  | Ethanol Solutions   | Ethanol Solutions  | Ethanol Solutions   | Ethanol Solutions   | Ethanol Solutions  |
| Transport hazard class(es) | 3<br> | 3<br><br> | 3<br> | 3<br><br> | 3<br><br> | 3<br> |
| Packing group              | III  | III   | III  | III   | III   | III  |
|                            |  |   |  |   |   |  |

## Section 14. Transport information

| Environmental hazards | No. | Yes. | Yes. The environmentally hazardous substance mark is not required. | Yes. | Yes. | Yes. The environmentally hazardous substance mark is not required. |
|-----------------------|-----|------|--|------|------|--|
|                       |     |      |  |      |      |  |

### Additional information

- TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark).  
The marine pollutant mark is not required when transported by road or rail.
- ADR/RID** : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
- IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
- IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**Commerce control list precursor:** Triethanolamine

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : FLAMMABLE LIQUIDS - Category 3  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A

#### Composition/information on ingredients

## Section 15. Regulatory information

| Name     | %         | Classification  |
|----------|-----------|---|
| ethanol  | ≥60 - ≤75 | FLAMMABLE LIQUIDS - Category 2<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>CARCINOGENICITY - Category 1A |
| glycerol | ≤3        | EYE IRRITATION - Category 2A  |

### State regulations

- Massachusetts** : The following components are listed: ETHYL ALCOHOL; UNDENATURED ALCOHOL; GLYCERINE MIST
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: ETHYL ALCOHOL; ALCOHOL; GLYCERIN; 1,2, 3-PROPANETRIOL
- Pennsylvania** : The following components are listed: UNDENATURED ALCOHOL; ETHANOL; 1,2, 3-PROPANETRIOL

### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Inventory list

- Australia** : All components are listed or exempted.
- Canada** : All components are listed or exempted.
- China** : All components are listed or exempted.
- Europe** : Not determined.
- Japan** : **Japan inventory (ENCS)**: All components are listed or exempted.  
**Japan inventory (ISHL)**: Not determined.
- Malaysia** : Not determined.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.
- Taiwan** : All components are listed or exempted.
- Thailand** : Not determined.
- Turkey** : Not determined.
- United States** : All components are listed or exempted.
- Viet Nam** : All components are listed or exempted.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                  |   |   |
|------------------|---|---|
| Health           | / | 2 |
| Flammability     |   | 3 |
| Physical hazards |   | 0 |
|                  |   |   |

## Section 16. Other information

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### [National Fire Protection Association \(U.S.A.\)](#)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### [History](#)

|                                       |             |
|---------------------------------------|-------------|
| <b>Date of printing</b>               | : 8/31/2020 |
| <b>Date of issue/Date of revision</b> | : 8/31/2020 |
| <b>Date of previous issue</b>         | : 7/20/2020 |
| <b>Version</b>                        | : 0.03      |

### [Key to abbreviations](#)

|   |
|---|
| : ATE = Acute Toxicity Estimate   |
| : BCF = Bioconcentration Factor   |
| : GHS = Globally Harmonized System of Classification and Labelling of Chemicals   |
| : IATA = International Air Transport Association  |
| : IBC = Intermediate Bulk Container   |
| : IMDG = International Maritime Dangerous Goods   |
| : LogPow = logarithm of the octanol/water partition coefficient   |
| : MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) |
| : UN = United Nations   |

**References** : Not available.

✔ Indicates information that has changed from previously issued version.

### [Notice to reader](#)

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Information contained within this SDS is only to be distributed as required by law.



## MATERIAL SAFETY DATA SHEET

MSDS #: FH/C/2005/TWTG-6B5JRG

Issue Date: 3/17/06

Supersedes: N/A

Issue Date: 2/01

### SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Detergent**

**Packaged Finished Product**

Brands: **JOY Manual Pot and Pan Detergent (Professional Line)**

P&G Telephone Number: 1-800-332-7787 or call Local Poison Control Center or your physician

### SECTION II - COMPOSITION AND INGREDIENTS

Product contains cleaning and sudsing agents (anionic and nonionic surfactants), dispensing aid (ethyl alcohol), water, stabilizing agents, colorant and perfume.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

| <u>Chemical Name</u> | <u>Common Name</u> | <u>CAS No.</u> | <u>Composition Range</u> | <u>LD50/LC50</u> |
|----------------------|--------------------|----------------|--------------------------|------------------|
| Ethyl alcohol        | Ethanol            | 64-17-5        | 1-6%                     | N/A              |

**SECTION III - HAZARDS IDENTIFICATION**

**Potential Health Hazards (Acute and Chronic):** (See Section 11 for more information)  
 Ingestions: Ingestion may cause transient gastrointestinal irritation.  
 Eye Contact: May cause mild, transient irritation.  
 Skin Contact: Transient irritation with prolonged exposure to concentrated material.  
 Inhalation: N/A  
**Signs and Symptoms of Exposure:**  
 Ingestion: May result in nausea, vomiting, and/or diarrhea.  
 Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.  
 Skin Contact: Prolonged contact with concentrated material may be drying or transiently irritating to skin.  
 Inhalation: N/A  
**Potential Environmental Effects:** (See Section 12 for more information)

**SECTION IV - FIRST AID INFORMATION**

**First Aid Procedures:**  
 Ingestion: Drink 1 or 2 glasses of water.  
 Eye Contact: Flush thoroughly with water for 15 minutes.  
 Skin Contact: If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. If symptoms persist or recur, seek medical attention.  
 Inhalation: N/A  
**Other:** Consumer product package has a voluntary avoid accidents statement on the label.

**SECTION V - FIRE FIGHTING INFORMATION**

**Flammable Properties:** Although this product has a flashpoint below 200°F (closed cup), it is a >50% aqueous solution that does **not** sustain combustion.  
**Extinguishing Media:** CO2, water or dry chemical.  
**Protection of Firefighters:**  
 Specific Fire Hazards Arising from the Material: None  
 Protective Equipment and Precautions for Firefighters: No unusual precautions necessary.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** None  
**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Solutions of the detergents may be allowed to be flushed down sewer -- First check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.  
**Steps To Be Taken in Case Material is Released or Spilled:** Prevent spills from reaching a waterway. Sorbents may be used. Read "Waste Disposal Method" below for further information.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling:** No unusual precautions necessary.

**Precautions To Be Taken in Storage:** No unusual precautions necessary.

**Other Precautions:** None known

**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Exposure Guidelines:** Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm  
OSHA Z-1 PEL 1000 ppm

**Personal Protective Equipment (PPE):**

**Eye/Face Protection:** None required with normal consumer use.

*Industrial Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.

**Skin Protection:** None required with normal use.

*Industrial Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

**Respiratory Protection (Specify Type):** None required with normal use.

**Ventilation Local Exhaust:** None required with normal consumer use. *Special:* None

*Mechanical (General):* Normal/general dilution ventilation is acceptable. *Other:* None

**Other Protective Equipment:** None required with normal use.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point °F:** Not known

**Specific Gravity (H<sub>2</sub>O=1)/Density:** ca. 1

**Vapor Pressure (mm Hg):** N/A

**Physical State:** Liquid

**Vapor Density (Air=1):** N/A

**Melting/Freezing Point:** ~ 30 °F (-1.1°C)

**Flash Point (Method Used):** 115-135°F (46.1-57.2°C)  
Pensky-Martens (Closed cup). Does not sustain combustion.

**pH (10% solution):** 8-9.2

**Solubility in Water:** Completely

**Reserve Alkalinity:** N/A

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

**Explosive Limits: LEL:** N/A **UEL:** N/A

**Appearance and Odor:** Yellow liquid. Product is perfumed.

**Odor Threshold:** N/A

**SECTION X - STABILITY AND REACTIVITY**

**Chemical Stability:** Stable

**Possible Hazardous Reactions/Conditions:** None known

**Conditions to Avoid:** None

**Materials to Avoid:** None

**Hazardous Decomposition Products:** None known

**Other Recommendations:** None



# Material Safety Data Sheet



Date of issue 16 February 2015

Version 16

## 1. Product and company identification

**Product name** : ACRYLIC FLOOR ENAMEL - DEEP BASE  
**Code** : PP1068  
**Supplier** : PPG Industries, Inc.  
One PPG Place  
Pittsburgh, PA 15272  
**Emergency telephone number** : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)  
**Technical Phone Number** : 1-800-441-9695 (8:00 am to 5:00 pm EST)

## 2. Hazards identification

**Emergency overview** : WARNING!  
MAY BE HARMFUL IF INHALED OR SWALLOWED. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.  
Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

### Potential acute health effects

**Inhalation** : May be harmful if inhaled.  
**Ingestion** : May be harmful if swallowed.  
**Skin** : No known significant effects or critical hazards.  
**Eyes** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

**Inhalation** : No specific data.  
**Ingestion** : No specific data.  
**Skin** : No specific data.  
**Eyes** : No specific data.

**Medical conditions aggravated by over-exposure** : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

This Material Safety Data Sheet has been prepared in accordance with Canada's Workplace Hazardous Materials Information System (WHMIS).

See toxicological information (Section 11)

## 3. Composition/information on ingredients

| <u>Name</u>       | <u>CAS number</u> | <u>% (w/w)</u> |
|-------------------|-------------------|----------------|
| Nepheline syenite | 37244-96-5        | 10 - 30        |
| titanium dioxide  | 13463-67-7        | 3 - 7          |
| propane-1,2-diol  | 57-55-6           | 1 - 5          |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4 . First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5 . Fire-fighting measures

**Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.

### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon oxides  
metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not swallow. Do not get in eyes or on skin or clothing. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Do not store below the following temperature: 32F / 0C.

## 8. Exposure controls/personal protection

| Name              | Result | ACGIH                | Ontario                 | Mexico                       | PPG                  |
|-------------------|--------|----------------------|-------------------------|------------------------------|----------------------|
| Nepheline syenite | TWA    | Not established      | 10 mg/m <sup>3</sup> TD | Not established              | Not established      |
| titanium dioxide  | TWA    | 10 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> TD | 10 mg/m <sup>3</sup> (as Ti) | Not established      |
|                   | STEL   | Not established      | Not established         | 20 mg/m <sup>3</sup> (as Ti) | Not established      |
| propane-1,2-diol  | TWA    | Not established      | 50 ppm                  | Not established              | 10 mg/m <sup>3</sup> |

### Key to abbreviations

|       |  |      |                                    |
|-------|--|------|------------------------------------|
| A     | = Acceptable Maximum Peak                                    | SR   | = Respiratory sensitization        |
| ACGIH | = American Conference of Governmental Industrial Hygienists. | SS   | = Skin sensitization               |
| C     | = Ceiling Limit  | STEL | = Short term Exposure limit values |
| F     | = Fume   | TD   | = Total dust                       |
| IPEL  | = Internal Permissible Exposure Limit                        | TLV  | = Threshold Limit Value            |
| R     | = Respirable   | TWA  | = Time Weighted Average            |
| S     | = Potential skin absorption                                  |      |                                    |

### Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- Engineering measures** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protection

- Eyes** : Safety glasses with side shields.

## 8 . Exposure controls/personal protection

- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Respiratory** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and chemical properties

- Physical state** : Liquid.
- Flash point** : Closed cup: >93.33°C (>200°F)
- Color** : Not available.
- Odor** : Not available.
- pH** : Not available.
- Boiling/condensation point** : >37.78°C (>100°F)
- Melting/freezing point** : Not available.
- Specific gravity** : 1.2
- Density ( lbs / gal )** : 10.01
- Vapor pressure** : 2.3 kPa (17.2 mm Hg) [room temperature]
- Vapor density** : Not available.
- Volatility** : 63% (v/v), 52.38% (w/w)
- Evaporation rate** : 0.33 (butyl acetate = 1)
- Solubility** : Insoluble in the following materials: cold water.
- Partition coefficient: n-octanol/water** : Not available.
- % Solid. (w/w)** : 47.62

## 10 . Stability and reactivity

- Stability** : Stable under recommended storage and handling conditions (see Section 7).
- Conditions to avoid** : No specific data.
- Materials to avoid** : Reactive or incompatible with the following materials: acids, oxidizing materials, strong alkalis
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11 . Toxicological information

### Acute toxicity

| Product/ingredient name              | Result      | Species | Dose        | Exposure |
|--------------------------------------|-------------|---------|-------------|----------|
| Titanium dioxide<br>propane-1,2-diol | LD50 Oral   | Rat     | >10 g/kg    | -        |
|                                      | LD50 Oral   | Rat     | 20 g/kg     | -        |
|                                      | LD50 Dermal | Rabbit  | 20800 mg/kg | -        |

**Conclusion/Summary** : Not available.

### Chronic toxicity

**Conclusion/Summary** : Not available.

### Target organs

: Contains material which may cause damage to the following organs: upper respiratory tract.

### Carcinogenicity

**Carcinogenicity** : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

### Classification

| Product/ingredient name | ACGIH | IARC | NTP |
|-------------------------|-------|------|-----|
| Titanium dioxide        | A4    | 2B   | -   |

**Carcinogen Classification code:**  
 ACGIH: A1, A2, A3, A4, A5  
 IARC: 1, 2A, 2B, 3, 4  
 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen  
 Not listed or regulated as a carcinogen: -

## 12 . Ecological information

**Environmental effects** : No known significant effects or critical hazards.

### Aquatic ecotoxicity

| Product/ingredient name | Result                           | Species                 | Exposure |
|-------------------------|----------------------------------|-------------------------|----------|
| Titanium dioxide        | Acute LC50 >100 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |

## 13 . Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures**

**14. Transport information**

|                             | TDG             | Mexico          | IMDG            |
|-----------------------------|-----------------|-----------------|-----------------|
| UN number                   | Not regulated.  | Not regulated.  | Not regulated.  |
| UN proper shipping name     | -               | -               | -               |
| Transport hazard class(es)  | -               | -               | -               |
| Packing group               | -               | -               | -               |
| Environmental hazards       | No.             | No.             | No.             |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |

**Additional information**

**TDG** : None identified.  
**Mexico** : None identified.  
**IMDG** : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**15 . Regulatory information**

**United States inventory (TSCA 8b)** : All components are listed or exempted.  
**Australia inventory (AICS)** : All components are listed or exempted.  
**Canada inventory ( DSL )** : All components are listed or exempted.  
**China inventory (IECSC)** : All components are listed or exempted.  
**Europe inventory ( REACH )** : Please contact your supplier for information on the inventory status of this material.  
**Japan inventory (ENCS)** : At least one component is not listed.  
**Korea inventory (KECI)** : All components are listed or exempted.  
**New Zealand ( NZIoC )** : Not determined.  
**Philippines inventory (PICCS)** : All components are listed or exempted.

**Canada**

**WHMIS (Canada)** : Class D-2A: Material causing other toxic effects (Very toxic).

**Mexico****Classification**

**Flammability** : 1    **Health** : 1    **Reactivity** : 0

## 16 . Other information

### Hazardous Material Information System (U.S.A.)

Health : 1 \* Flammability : 1 Physical hazards : 0

(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

Health : 1 Flammability : 1 Instability : 0

Date of previous issue : 1/2/2015.

Organization that prepared : EHS

### the MSDS

✔ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*



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**SECTION 3: HAZARDS IDENTIFICATION**

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**PRIMARY ROUTE(S) OF EXPOSURE**

INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.

**EFFECTS OF OVEREXPOSURE**

INHALATION IRRITATION OF RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO CHEST PAIN, COUGHING, DIFFICULTY OF BREATHING, PNEUMOCONIOSIS.

SKIN CONTACT IRRITATION OF SKIN.

EYE CONTACT IRRITATION OF EYES.

INGESTION INGESTION MAY CAUSE MOUTH AND THROAT IRRITATION, GASTRO-INTESTINAL DISTURBANCES.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

EYE, SKIN, RESPIRATORY DISORDERS.

---

**SECTION 4: FIRST-AID MEASURES**

---

INHALATION REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING.  
GET EMERGENCY MEDICAL ATTENTION.  
HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.  
REMOVE TO FRESH AIR IF INHALATION CAUSES EYE WATERING, HEADACHES, DIZZINESS, OR OTHER DISCOMFORT.

SKIN CONTACT WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE CONTAMINATED CLOTHING.

EYE CONTACT FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

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**SECTION 4: FIRST-AID MEASURES**

---

**INGESTION** IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

**FLASH POINT (SETA)** NONE LOWER EXPLOSIVE LIMIT NOT AVAILABLE  
UPPER EXPLOSIVE LIMIT NOT AVAILABLE

**FIRE EXTINGUISHING MEDIA**  
DRY CHEMICAL OR FOAM

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR  
FIRE.

**FIRE FIGHTING PROCEDURES**  
WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.  
FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE  
PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.

**HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS**  
CARBON MONOXIDE, CARBON DIOXIDE.

---

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

---

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**  
COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL  
REGULATIONS.  
VENTILATE AREA. PLACE COLLECTED MATERIAL IN PROPER  
CONTAINER.

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**SECTION 7 HANDLING AND STORAGE**

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**HANDLING AND STORAGE:**

STORE BELOW 100F (38C). KEEP FROM FREEZING.

**OTHER PRECAUTIONS** USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**COMMON NAME :** TITANIUM DIOXIDE  
**CAS NUMBER:** 13463-67-7  
**ACGIH(TWA):** 10 MG/M3      **OSHA(TWA):** 10 MG/M3

**RESPIRATORY PROTECTION**

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING APPROPRIATE AIR MONITORING. CONSULT 29CFR1910.134 FOR SELECTION OF RESPIRATORS (CANADIAN Z94.4).

**VENTILATION** PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.

**PERSONAL PROTECTIVE EQUIPMENT**

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.  
IMPERVIOUS GLOVES.

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 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES  
 -----

|                      |                 |                    |                |
|----------------------|-----------------|--------------------|----------------|
| VAPOR PRESSURE:      | NOT AVAILABLE   | SPECIFIC GRAVITY:  | 1.186          |
| BOILING RANGE (F/C): | 212-212/100-100 | WEIGHT PER GALLON: | 9.87/ 11.85IMP |
| %VOLATILE BY VOLUME: | 85.22           |                    |                |
| PHYSICAL STATE:      | LIQUID          | APPEARANCE         | WHITE          |
| SOLUBILITY IN WATER: | NOT AVAILABLE   | PH:                | NOT AVAILABLE  |

 -----  
 SECTION 10: STABILITY AND REACTIVITY  
 -----

## UNDER NORMAL CONDITIONS

STABLE

SEE SECTION 5 FIRE FIGHTING MEASURES

## MATERIALS TO AVOID

OXIDIZERS.

## CONDITIONS TO AVOID

FREEZING.

## HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

 -----  
 SECTION 11: TOXICOLOGICAL INFORMATION  
 -----

|                            |                   |             |         |          |
|----------------------------|-------------------|-------------|---------|----------|
| COMMON NAME :              | TITANIUM DIOXIDE  |             |         |          |
| CAS NUMBER:                | 13463-67-7        |             |         |          |
| CARCINOGENICITY LISTED BY: | NTP YES 2B        | IARC YES 2B | OSHA NO | ACGIH NO |
| LD50:                      | 24.00 GM/KG       | ORL RAT     |         |          |
| LC50:                      | 6820.00 MG/M3/4HR | IHL RAT     |         |          |

|                            |                     |         |         |          |
|----------------------------|---------------------|---------|---------|----------|
| COMMON NAME :              | VINYL ACRYLIC LATEX |         |         |          |
| CAS NUMBER:                | 25067-01-0          |         |         |          |
| CARCINOGENICITY LISTED BY: | NTP NO              | IARC NO | OSHA NO | ACGIH NO |

|                            |                      |         |         |          |
|----------------------------|----------------------|---------|---------|----------|
| COMMON NAME :              | CALCINED KAOLIN CLAY |         |         |          |
| CAS NUMBER:                | 66402-68-4           |         |         |          |
| CARCINOGENICITY LISTED BY: | NTP NO               | IARC NO | OSHA NO | ACGIH NO |

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**SUPPLEMENTAL HEALTH INFORMATION**

NO ADDITIONAL EFFECTS ARE ANTICIPATED

**CARCINOGENICITY**

IN A LIFETIME INHALATION STUDY, EXPOSURE TO 250 MG/M<sup>3</sup> TITANIUM DIOXIDE RESULTED IN THE DEVELOPMENT OF LUNG TUMORS IN RATS. THESE TUMORS OCCURRED ONLY AT DUST LEVELS THAT OVERWHELMED THE ANIMALS' LUNG CLEARANCE MECHANISMS AND WERE DIFFERENT FROM COMMON HUMAN LUNG TUMORS IN BOTH TYPE AND LOCATION. THE RELEVANCE OF THESE FINDINGS TO HUMANS IS UNKNOWN BUT QUESTIONABLE.

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED TITANIUM DIOXIDE AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B) BASED ON INADEQUATE EVIDENCE OF CARCINOGENICITY IN HUMANS AND SUFFICIENT EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS.

**REPRODUCTIVE EFFECTS:**

NO REPRODUCTIVE EFFECTS ARE ANTICIPATED

**MUTAGENICITY**

NO MUTAGENIC EFFECTS ARE ANTICIPATED

**TERATOGENICITY**

NO TERATOGENIC EFFECTS ARE ANTICIPATED

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**SECTION 12: ECOLOGICAL INFORMATION**

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NO ECOLOGICAL TESTING HAS BEEN DONE BY AKZO NOBEL PAINTS LLC ON THIS PRODUCT AS A WHOLE.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL**

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

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**SECTION 14: TRANSPORT INFORMATION**

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DOT PAINT \*\* PROTECT FROM FREEZING \*\*  
IMDG NOT AVAILABLE  
IATA NOT AVAILABLE  
TDG NOT AVAILABLE

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**SECTION 15: REGULATORY INFORMATION**

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SARA SARA CERCLA HAZ AIR MARINE  
302 313 302.4 POLLUTANT POLLUTANT

THIS PRODUCT CONTAINS NO SARA 302, CERCLA 302.4 OR HAZARDOUS AIR POLLUTANT CHEMICALS. IT ALSO CONTAINS NO CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER SARA 313.

AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

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**SECTION 16: OTHER INFORMATION**

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THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE AT THE TIME OF PREPARATION OF THIS DATA SHEET AND WHICH AKZO NOBEL PAINTS LLC BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA. AKZO NOBEL PAINTS LLC SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS INFORMATION, OR OF ANY PRODUCT, METHOD OR APPARATUS MENTIONED AND YOU MUST MAKE YOUR OWN DETERMINATION OF ITS SUITABILITY AND COMPLETENESS FOR YOUR OWN USE, FOR THE PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF YOUR EMPLOYEES AND USERS OF THIS MATERIAL.

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SECTION 16: OTHER INFORMATION  
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COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD  
29CFR1910.1200.

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# SAFETY DATA SHEET



Date of issue/Date of revision 6 March 2019

Version 9.01

## Section 1. Identification

**Product name** : DRN3401 PPG PITTSBURGH PAINTS WONDER-TONES INTERIOR PAINT+PRIMER EGG SHELL - WHITE

**Product code** : 00408914

**Other means of identification** : Not available.

**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Consumer applications, Professional applications.

**Use of the substance/ mixture** : Coating.

**Uses advised against** : Not applicable.

**Manufacturer** : PPG Industries, Inc.  
One PPG Place  
Pittsburgh, PA 15272

**Emergency telephone number** : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 or + 52 55 5559 1588 (Mexico)

**Technical Phone Number** : 1-800-441-9695 (8:00 am to 5:00 pm EST)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2.8% (Oral), 8.7% (Dermal), 28% (Inhalation)

This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

### GHS label elements

Product code 00408914

Date of issue 6 March 2019

Version 9.01

Product name DRN3401 PPG PITTSBURGH PAINTS WONDER-TONES INTERIOR PAINT+PRIMER  
EGGSHELL - WHITE

## Section 2. Hazards identification

|                                  |   |  |
|----------------------------------|---|--|
| Hazard pictograms                | : |   |
| Signal word                      | : | Warning  |
| Hazard statements                | : | Suspected of causing cancer.   |
| <b>Precautionary statements</b>  |   |  |
| General                          | : | Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.  |
| Prevention                       | : | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. |
| Response                         | : | IF exposed or concerned: Get medical attention.  |
| Storage                          | : | Store locked up.   |
| Disposal                         | : | Dispose of contents and container in accordance with all local, regional, national and international regulations.  |
| Supplemental label elements      | : | Contains isothiazolinones. May cause allergic reaction. Emits toxic fumes when heated.   |
| Hazards not otherwise classified | : | None known.  |

## Section 3. Composition/information on ingredients

|                   |   |  |
|-------------------|---|--|
| Substance/mixture | : | Mixture  |
| Product name      | : | DRN3401 PPG PITTSBURGH PAINTS WONDER-TONES INTERIOR PAINT+PRIMER<br>EGGSHELL - WHITE |

| Ingredient name                    | %           | CAS number |
|------------------------------------|-------------|------------|
| titanium dioxide                   | ≥10 - ≤20   | 13463-67-7 |
| Silicic acid, aluminum sodium salt | ≥1.0 - ≤5.0 | 1344-00-9  |
| Kaolin                             | ≥1.0 - ≤5.0 | 1332-58-7  |

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

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

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

## Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon oxides  
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

## Section 7. Handling and storage

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name                    | Exposure limits  |
|------------------------------------|--|
| Titanium dioxide                   | <b>OSHA PEL (United States, 5/2018).</b><br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust  |
| Silicic acid, aluminum sodium salt | <b>ACGIH TLV (United States, 3/2018).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.  |
| Kaolin                             | <b>ACGIH TLV (United States, 3/2018).</b><br>TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br><b>ACGIH TLV (United States, 1/2007).</b><br>TWA: 2 mg/m <sup>3</sup> , (as Al) 8 hours. Form: Soluble<br><b>ACGIH TLV (United States, 3/2018).</b><br>TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br><b>OSHA PEL (United States, 5/2018).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust |

#### Key to abbreviations

A = Acceptable Maximum Peak

S = Potential skin absorption

## Section 8. Exposure controls/personal protection

|       |  |      |                                    |
|-------|--|------|------------------------------------|
| ACGIH | = American Conference of Governmental Industrial Hygienists.       | SR   | = Respiratory sensitization        |
| C     | = Ceiling Limit  | SS   | = Skin sensitization               |
| F     | = Fume   | STEL | = Short term Exposure limit values |
| IPEL  | = Internal Permissible Exposure Limit                              | TD   | = Total dust                       |
| OSHA  | = Occupational Safety and Health Administration.                   | TLV  | = Threshold Limit Value            |
| R     | = Respirable   | TWA  | = Time Weighted Average            |
| Z     | = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances |      |                                    |

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: Viton®

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Section 8. Exposure controls/personal protection

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.  
**Color** : Various  
**Odor** : Characteristic.  
**Odor threshold** : Not available.  
**pH** : Not available.  
**Melting point** : Not available.  
**Boiling point** : 100°C (212°F)  
**Flash point** : Closed cup: Not applicable. [Product does not sustain combustion.]  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Flammability (solid, gas)** : Not available.  
**Lower and upper explosive (flammable) limits** : Not available.  
**Evaporation rate** : Not available.  
**Vapor pressure** : Not available.  
**Vapor density** : Not available.  
**Relative density** : 1.26  
**Density ( lbs / gal )** : 10.52  
**Solubility** : Soluble in the following materials: cold water.  
**Partition coefficient: n-octanol/water** : Not available.  
**Viscosity** : Kinematic (40°C (104°F)): >0.21 cm<sup>2</sup>/s (>21 cSt)  
**Volatility** : 63% (v/v), 50.034% (w/w)  
**% Solid. (w/w)** : 49.966

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products.

## Section 10. Stability and reactivity

Refer to protective measures listed in sections 7 and 8.

**Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name            | Result                          | Species | Dose        | Exposure |
|------------------------------------|---------------------------------|---------|-------------|----------|
| titanium dioxide                   | LC50 Inhalation Dusts and mists | Rat     | >6.82 mg/l  | 4 hours  |
|                                    | LD50 Dermal                     | Rabbit  | >5000 mg/kg | -        |
|                                    | LD50 Oral                       | Rat     | >5000 mg/kg | -        |
| Silicic acid, aluminum sodium salt | LD50 Oral                       | Rat     | >27 g/kg    | -        |
|                                    | Kaolin                          | Rat     | >5000 mg/kg | -        |

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Carcinogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| titanium dioxide        | -    | 2B   | -   |

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

#### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

## Section 11. Toxicological information

### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Target organs

: Contains material which causes damage to the following organs: eyes.  
Contains material which may cause damage to the following organs: lungs, the nervous system, upper respiratory tract, stomach.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** : There are no data available on the mixture itself. Contains isothiazolinones. May cause allergic reaction. This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

Product code 00408914

Date of issue 6 March 2019

Version 9.01

Product name DRN3401 PPG PITTSBURGH PAINTS WONDER-TONES INTERIOR PAINT+PRIMER  
EGGSHELL - WHITE

## Section 11. Toxicological information

**Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of

**Mutagenicity** : ~~Not known~~ No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route | ATE value      |
|-------|----------------|
| Oral  | 267828.8 mg/kg |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                           | Species                 | Exposure |
|-------------------------|----------------------------------|-------------------------|----------|
| titanium dioxide        | Acute LC50 >100 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains

## Section 13. Disposal considerations

and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

|                                    | DOT             | IMDG            | IATA            |
|------------------------------------|-----------------|-----------------|-----------------|
| <b>UN number</b>                   | Not regulated.  | Not regulated.  | Not regulated.  |
| <b>UN proper shipping name</b>     | -               | -               | -               |
| <b>Transport hazard class (es)</b> | -               | -               | -               |
| <b>Packing group</b>               | -               | -               | -               |
| <b>Environmental hazards</b>       | No.             | No.             | No.             |
| <b>Marine pollutant substances</b> | Not applicable. | Not applicable. | Not applicable. |

### Additional information

**DOT** : None identified.  
**IMDG** : None identified.  
**IATA** : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

**United States inventory (TSCA 8b)** : All components are listed or exempted.

**United States - TSCA 5(a)2 - Final significant new use rules:**

Nonylphenol, ethoxylated Listed

**United States - TSCA 5(a)2 - Proposed significant new use rules:**

5-chloro-2-methyl-2H-isothiazol-3-one Listed P-96-1251

### SARA 302/304

**SARA 304 RQ** : Not applicable.

### Composition/information on ingredients

No products were found.

### SARA 311/312

**Classification** : CARCINOGENICITY - Category 2

## Section 15. Regulatory information

### Composition/information on ingredients

| Name             | %         | Classification               |
|------------------|-----------|------------------------------|
| Titanium dioxide | ≥10 - ≤20 | CARCINOGENICITY - Category 2 |

**Additional environmental information** is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

**Health** : 1 \*    **Flammability** : 0    **Physical hazards** : 0

(\* ) - Chronic effects

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)

**Health** : 1    **Flammability** : 0    **Instability** : 0

**Date of previous issue** : 8/6/2018

**Organization that prepared the MSDS** : EHS

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

✔ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

# SAFETY DATA SHEET

Date Prepared : 05/14/2015

SDS No : Pro Link, Inc.\_Dust Mop Treatment

## Dust Mop Treatment

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Dust Mop Treatment

**GENERAL USE:** For use on floor dust mops to attract and hold dust and grime.

**PRODUCT DESCRIPTION:** Waterbased Mop Treatment

**CHEMICAL FAMILY:** Glycol/detergent blend

#### DISTRIBUTOR

Pro Link, Inc.

500 Chapman Street

Canton, MA 02021

**Customer Service:** 781-828-9550

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Irritation, Category 2A

Skin Irritation, Category 3

Target Organ Toxicity (Repeated exposure - oral), Category 2 (Kidney)

Acute Toxicity (Oral), Category 4

#### GHS LABEL



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H319: Causes serious eye irritation.

H316: Causes mild skin irritation.

H302: Harmful if swallowed.

3342E9DB: May cause damage to organs (kidney) through prolonged or repeated exposure if swallowed.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P260: Do not breathe fumes, gas, mist, vapors or spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P233: Keep container tightly closed.

P102: Keep out of reach of children.

##### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**Storage:**

P404: Store in a closed container.

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container according to all local, state and Federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear Liquid

**IMMEDIATE CONCERNS:** Eye & Skin irritant

**POTENTIAL HEALTH EFFECTS**

**EYES:** Irritating, and may injure eye tissue if not removed promptly.

**SKIN:** Skin irritant with prolonged or repeated contact.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Mist is irritating to nose, throat and lungs.

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** None known.

**CARCINOGENICITY:** Not Established

**MUTAGENICITY:** None known.

**MEDICAL CONDITIONS AGGRAVATED:** Previous skin conditions such as dermatitis may be aggravated.

**ROUTES OF ENTRY:** Breathing of mist or vapors. Ingestion.

**CANCER STATEMENT:** None

**WARNING CAUTION LABELS:** Irritant

**PHYSICAL HAZARDS:** None Expected.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name          | Wt.%    | CAS       |
|------------------------|---------|-----------|
| Ethylene Glycol        | 25 - 30 | 107-21-1  |
| Nonylphenol Ethoxylate | 0 - 5   | 9016-45-9 |
| Fragrance              | 0 - 1   | N/A       |
| Water                  | 80 - 85 | 7732-18-5 |

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** DO NOT DELAY. Do not induce vomiting. If victim is alert, rinse mouth and drink 1/2 to 1 glass of water to help dilute the material. Do not give liquids to a drowsy, convulsing, or unconscious person. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Burning sensation with tearing, redness.

**SKIN:** Prolonged contact will cause irritation marked by redness, burning sensation.

**SKIN ABSORPTION:** Not Established

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE TOXICITY:** Not Established

**NOTES TO PHYSICIAN:** Kidney toxicity may be recognized by blood in the urine or increased or decreased urine flow. Other signs and symptoms can include nausea, vomiting, abdominal cramps, diarrhoea, lumbar pain shortly after ingestion, and possibly narcosis and death. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.

**ADDITIONAL INFORMATION:** IMMEDIATE TREATMENT IS EXTREMELY IMPORTANT! May cause significant renal, respiratory, and CNS toxicity. May cause significant acidosis. Call a doctor or poison control center for guidance.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

**GENERAL HAZARD:** NA = Not Applicable

**EXTINGUISHING MEDIA:** Not required. Water based material.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Do not contaminate water, food, or feed by storage or disposal.

**HANDLING:** Wear eye protection, rubber gloves when handling concentrate.

**STORAGE:** Store in area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |  |  |                 |                   |              |                   |
|---|--|--|-----------------|-------------------|--------------|-------------------|
|   |  |  | EXPOSURE LIMITS |                   |              |                   |
|   |  |  | ACGIH TLV       |                   | Supplier OEL |                   |
| Chemical Name                               |  |  | ppm             | mg/m <sup>3</sup> | ppm          | mg/m <sup>3</sup> |
| Ethylene Glycol                             |  |  | TWA             | 100               |              |                   |
|   |  |  | STEL            |                   | 50           | 127               |

**ENGINEERING CONTROLS:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles.

**SKIN:** Rubber or other chemical resistant gloves. Rubber boots of used on floors.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Banana

**ODOR THRESHOLD:** Not Established

**COLOR:** Water Clear

**pH:** 7.0 to 9.0

**PERCENT VOLATILE:** >70

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:**  $\leq 20$  mm Hg at (68°F)

**VAPOR DENSITY:**  $\leq 1$  Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:**  $< 0^{\circ}\text{C}$  (32°F)

**MELTING POINT:** Not Available

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** (Water =1)  $<1.0$

**DENSITY:** 8.57 at (68°F)

**SPECIFIC GRAVITY:** 1.027 grams/ml.

**VISCOSITY:** Water thin.

**(VOC):** None

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Not Established

**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE**

| Chemical Name          | ORAL LD <sub>50</sub><br>(rat) | DERMAL LD <sub>50</sub><br>(rabbit) |
|------------------------|--------------------------------|-------------------------------------|
| Ethylene Glycol        | 300 to 2000<br>mg/kg (rat)     | > 5000 mg/kg<br>(rat)               |
| Nonylphenol Ethoxylate | 16000 mg/kg<br>(rat)           | 4490 mg/kg<br>(rabbit)              |

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** Not Established

**SKIN ABSORPTION:** None Expected.

**ORAL LD<sub>50</sub>:** Not Established

**INHALATION LC<sub>50</sub>:** Not Established

**EYE EFFECTS:** Moderate to severe eye irritant.

**SKIN EFFECTS:** Moderate skin irritant.

**IRRITATION:** Irritant

**SENSITIZATION:** No known significant effects or critical hazards.

**GENETIC EFFECTS:** No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TARGET ORGANS:** Can cause kidney damage with prolonged or repeated oral exposure.

**MUTAGENICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

**CHEMICAL FATE INFORMATION:** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Small amounts (less than 1 gallon) may be diluted with copious amounts of water and disposed of into sanitary sewer.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** See above.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

### AIR (ICAO/IATA)

**SHIPPING NAME:** Cleaning Compound, not regulated.

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Cleaning Compound, not regulated.

## 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Health Hazard - Acute; Health Hazard -Chronic

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** Ethylene Glycol

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

| Chemical Name   | Wt.%    | CAS      |
|-----------------|---------|----------|
| Ethylene Glycol | 25 - 30 | 107-21-1 |

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NA = Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Ethylene Glycol

| Chemical Name   | Wt.%    | CERCLA RQ  |
|-----------------|---------|------------|
| Ethylene Glycol | 25 - 30 | 5,000 lbs. |

**CERCLA RQ:** 5000 lbs.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**STATES WITH SPECIAL REQUIREMENTS**

| Chemical Name          | Requirements  |
|------------------------|---|
| Ethylene Glycol        | Massachusetts Right to Know Substance<br>New Jersey Right To Know Substance<br>Pennsylvania Right to Know Substance |
| Nonylphenol Ethoxylate | Massachusetts Right to Know Substance<br>New Jersey Right To Know Substance<br>Pennsylvania Right to Know Substance |

**CALIFORNIA PROPOSITION 65:** None

**CARCINOGEN:** No listed substance

**16. OTHER INFORMATION**

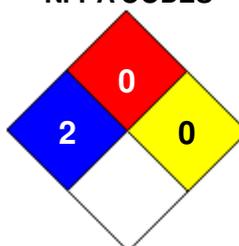
**PREPARED BY:** Regulatory Affairs Department

**Date Prepared:** 05/14/2015

**HMS RATING**

|                            |                          |          |
|----------------------------|--------------------------|----------|
| <b>HEALTH</b>              | <input type="checkbox"/> | <b>2</b> |
| <b>FLAMMABILITY</b>        | <input type="checkbox"/> | <b>0</b> |
| <b>PHYSICAL HAZARD</b>     | <input type="checkbox"/> | <b>0</b> |
| <b>PERSONAL PROTECTION</b> | <input type="checkbox"/> | <b>B</b> |

**NFPA CODES**



**MANUFACTURER DISCLAIMER:** This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.

## MSDS

ITEM NUMBER: YA006

VERSION 2 EFFECTIVE DATE: 04/12/01 SUPERCEDES: 04/22/98 PREPARED BY: Ron Cepa

Section(s) Revised: HMIS, II, IV, VI, VIII

IDENTITY (As Used On Label and List): FURNITURE POLISH

EMERGENCY MEDICAL Telephone# 1-800-228-5635 (24 Hrs)

Outside of the U.S.A. Call 651-632-9275

PRODUCT HAZARD RATINGS (HMIS): - Health = 1, Fire = 2, Reactivity = 0, Protective Equipment = A

(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

## SECTION I

PRO-LINK

TELEPHONE NUMBER FOR INFORMATION: 1-800-74LINKS

DATE PRINTED: 3/1/05

Canton, MA 02021

NAME OF PREPARER: Regulatory Compliance

## SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| Chemical Names                  | CAS#      | SARA Title III<br>SEC 313 | ACGIH<br>TLV-TWA/STEL | OSHA<br>PEL-TWA/STEL | % By Wt. |
|---------------------------------|-----------|---------------------------|-----------------------|----------------------|----------|
| Liquefied petroleum gas mixture | See below | No                        | --                    | --                   | 1-5      |
| Propane                         | 74-98-6   | No                        | 1000ppm               | NE                   | --       |
| n-Butane                        | 106-97-8  | No                        | 600ppm                | NE                   | --       |

Balance of ingredients are non-hazardous or below reportable levels.

## SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA

Vapor Pressure (psig): 117@130F

Specific Gravity (H2O=1): &lt;1

Solubility/Water: 10%

Vapor Density (AIR=1): &gt;1

Evaporation Rate (Ether=1): &lt;1

Appearance and Odor: Lemon odor, cone spray

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product is not required to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45.

Flashpoint: &lt;0F (Propellant); None even until boiling (Concentrate)

Flammable Limits - % Volume In Air (Propellant): LEL: 1.9 UEL: 9.5

Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.

Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

## SECTION V - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: NA

Incompatibility (Materials to Avoid): Heat, open flame and oxidizing agents

Hazardous Decomposition Products: Carbon monoxide in small amounts and additional toxic chemicals may be formed in small amounts.

Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

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**SECTION VI - HEALTH HAZARD DATA**

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Route(s) of Entry - Inhalation: X    Eyes: X    Skin: X    Ingestion:

Signs and Symptoms of Exposure: Inhalation may cause dizziness, drowsiness and throat irritation. Eye contact may be irritating. Skin contact may cause slight redness. Ingestion of aerosols is not a likely route however, product is of low toxicity.

Emergency and First Aid Procedures: Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists. Skin Contact: Remove contaminated clothing. Flush skin with water; follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. Ingestion: Get medical attention.

CARCINOGENICITY:

No regulated ingredients.

TOXICITY INFORMATION:

No data available.

---

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

---

Releases or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 30B).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

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**SECTION VIII - EMPLOYEE PROTECTION**

---

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

Ventilation: General ventilation is adequate under normal conditions, mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves are recommended - consult glove manufacturer to determine the proper type for a specific operation.

Eye Protection: Chemical safety glasses are recommended.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

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**SECTION IX - OTHER REGULATORY CONTROLS**

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Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

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**SECTION X - TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)**

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Shipping Name: Consumer Commodity      Hazard Class: ORM-D

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NG-- Negligible    NA-- Not Applicable    NE-- Not Established    UN-- Unavailable    ND-- Not Determined  
While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.  
EFFECTIVE DATE: 04/12/01    SUPERCEDES: 04/22/98    PREPARED BY: Ron Cepa



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 29-Apr-2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** TERRA GLAZE  
**Product Number:** 5810  
**Recommended Use:** Floor Finish  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not Classified Not classified as hazardous by 29 CFR 1910.1200 (OSHA HazCom-GHS)

#### GHS Label Elements

**Signal Word:** No signal word  
**Symbols:** None  
**Hazard Statements:** No hazard statements  
**Precautionary Statements:**  
**Prevention:** Not Applicable  
**Response:**  
**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:** Not Applicable  
**Disposal:** Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May cause eye irritation.
- May cause skin irritation.
- May be harmful if swallowed.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name            | CAS No     | Weight-% |
|--------------------------|------------|----------|
| Water                    | 7732-18-5  | 60-100   |
| Acrylate Copolymer       | 65405-61-0 | 10-30    |
| Ethoxydiglycol           | 111-90-0   | 3-7      |
| Ethylene Copolymer       | 67892-91-5 | 1-5      |
| Tributoxyethyl Phosphate | 78-51-3    | 1-5      |

|                             |             |       |
|-----------------------------|-------------|-------|
| Zinc Ammonium Carbonate     | 38714-47-5  | 0.1-1 |
| Fluorosurfactant            | PROPRIETARY | <0.1  |
| Dimethicone                 | 63148-62-9  | <0.1  |
| Methylchloroisothiazolinone | 26172-55-4  | <0.1  |
| Methylisothiazolinone       | 2682-20-4   | <0.1  |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
- Suggested Shelf Life:** 18 months from date of manufacture.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Occupational Exposure Limits:** None established.
- Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
- Personal Protective Equipment**
- Eye/Face Protection:** Not required with expected use.
- Skin and Body Protection:** Not required with expected use.

|  |  |
|--|--|
| <b>Respiratory Protection:</b>         | Not required with expected use.<br>If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered. |
| <b>General Hygiene Considerations:</b> | Wash hands and any exposed skin thoroughly after handling.<br>See 29 CFR 1910.132-138 for further guidance.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                             |
|--|-----------------------------|
| <b>Appearance/Physical State:</b>      | Liquid                      |
| <b>Color:</b>                          | White emulsion              |
| <b>Odor:</b>                           | Acrylic odor                |
| <b>pH:</b>                             | 8.0-8.5                     |
| <b>Melting Point / Freezing Point:</b> | No information available.   |
| <b>Boiling Point / Boiling Range:</b>  | 99 °C / 210 °F              |
| <b>Flash Point:</b>                    | > 99 °C / > 210 °F ASTM D56 |
| <b>Evaporation Rate:</b>               | < 1 (Butyl acetate = 1)     |
| <b>Flammability (solid, gas)</b>       | No information available.   |
| <b>Upper Flammability Limit:</b>       | No information available.   |
| <b>Lower Flammability Limit:</b>       | No information available.   |
| <b>Vapor Pressure:</b>                 | No information available.   |
| <b>Vapor Density:</b>                  | No information available.   |
| <b>Specific Gravity:</b>               | 1.029                       |
| <b>Solubility(ies):</b>                | Miscible in water           |
| <b>Partition Coefficient:</b>          | No information available.   |
| <b>Autoignition Temperature:</b>       | No information available.   |
| <b>Decomposition Temperature:</b>      | No information available.   |
| <b>Viscosity:</b>                      | No information available.   |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                         | This material is considered to be non-reactive under normal conditions of use.                  |
| <b>Chemical Stability:</b>                 | Stable under normal conditions.   |
| <b>Possibility of Hazardous Reactions:</b> | Not expected to occur with normal handling and storage.   |
| <b>Conditions to Avoid:</b>                | Heat, flames and sparks.  |
| <b>Incompatible Materials:</b>             | Strong oxidizing agents. Strong acids.  |
| <b>Hazardous Decomposition Products:</b>   | May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors. |

## 11. TOXICOLOGICAL INFORMATION

|  |  |
|--|--|
| <b>Likely Routes of Exposure:</b>          | Eyes, Skin, Ingestion, Inhalation.                     |
| <b>Symptoms of Exposure:</b>               |  |
| <b>-Eye Contact:</b>                       | Pain and redness.                                      |
| <b>-Skin Contact:</b>                      | Drying of the skin.                                    |
| <b>-Inhalation:</b>                        | Nasal discomfort and coughing.                         |
| <b>-Ingestion:</b>                         | Pain, nausea, vomiting and diarrhea.                   |
| <b>Immediate, Delayed, Chronic Effects</b> |  |
| <b>Product Information:</b>                | Data not available or insufficient for classification. |

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

|                                |             |
|--------------------------------|-------------|
| ATEmix (oral):                 | 19953 mg/kg |
| ATEmix (dermal):               | 50157 mg/kg |
| ATEmix (inhalation-dust/mist): | 68.4 mg/l   |

### Component Acute Toxicity Information

| Chemical Name      | Oral LD50          | Dermal LD50   | Inhalation LC50 |
|--------------------|--------------------|---------------|-----------------|
| Water<br>7732-18-5 | > 90 mL/kg ( Rat ) | Not Available | Not Available   |

|   |                       |                         |                                      |
|---|-----------------------|-------------------------|--------------------------------------|
| Ethoxydiglycol<br>111-90-0                | = 10502 mg/kg ( Rat ) | = 9143 mg/kg ( Rabbit ) | > 5240 mg/m <sup>3</sup> ( Rat ) 4 h |
| Tributoxyethyl Phosphate<br>78-51-3       | = 3 g/kg ( Rat )      | > 16 mL/kg ( Rabbit )   | > 6.4 mg/L ( Rat ) 4 h               |
| Dimethicone<br>63148-62-9                 | > 24 g/kg ( Rat )     | Not Available           | Not Available                        |
| Methylchloroisothiazolinone<br>26172-55-4 | = 481 mg/kg ( Rat )   | Not Available           | = 1.23 mg/L ( Rat ) 4 h              |

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical Name                             | Algae/Aquatic Plants   | Fish   | Toxicity to Microorganisms | Crustacea   |
|---|--|--|----------------------------|---|
| Ethoxydiglycol<br>111-90-0                | Not Available  | 10000: 96 h Lepomis macrochirus mg/L LC50 static<br>19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through<br>11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through<br>11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through | Not Available              | 3940 - 4670: 48 h Daphnia magna mg/L EC50   |
| Tributoxyethyl Phosphate<br>78-51-3       | Not Available  | 10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through   | Not Available              | Not Available   |
| Methylchloroisothiazolinone<br>26172-55-4 | 0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static<br>0.03 - 0.13: 96 h Pseudokirchneriella subcapitata mg/L EC50 static | 1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static  | Not Available              | 4.71: 48 h Daphnia magna mg/L EC50<br>0.12 - 0.3: 48 h Daphnia magna mg/L EC50<br>Flow through 0.71 - 0.99: 48 h Daphnia magna mg/L EC50 Static |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Products  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Products

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product contains the following listed substances:

**Ethoxydiglycol**

CAS No 111-90-0 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate  
Chemical Category N230

**SARA 311/312 Hazard Categories**

|   |     |
|---|-----|
| <b>Acute Health Hazard:</b>               | Yes |
| <b>Chronic Health Hazard:</b>             | No  |
| <b>Fire Hazard:</b>                       | No  |
| <b>Sudden release of pressure hazard:</b> | No  |
| <b>Reactive Hazard:</b>                   | No  |

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

|             |                          |                        |                            |                     |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| <b>NFPA</b> | <b>Health Hazards: 1</b> | <b>Flammability: 0</b> | <b>Instability: 0</b>      | <b>Special: N/A</b> |
| <b>HMIS</b> | <b>Health Hazards: 1</b> | <b>Flammability: 0</b> | <b>Physical Hazards: 0</b> |                     |

**Revision Date:** 29-Apr-2019  
**Reasons for Revision:** Section, 3, 11, and, 12

**Disclaimer:**

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

**End of Safety Data Sheet**



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 22-Oct-2019

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SHINELINE EMULSIFIER PLUS  
**Product Number:** 0084  
**Recommended Use:** Stripping solution  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### **24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Acute Toxicity - Oral: Category 4  
Acute toxicity - Inhalation (Dusts/Mists) Category 4  
Skin Corrosion/Irritation: Category 1 Sub-category B  
Serious Eye Damage/Eye Irritation: Category 1  
Corrosive to Metals: Category 1

#### **GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Harmful if swallowed.  
Harmful if inhaled.  
Causes severe skin burns and serious eye damage.  
May be corrosive to metals.

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breathe mist, vapors or spray.  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.  
Keep in original or other corrosion resistant container.

**Response:**

**IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**-Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

|  |   |
|--|---|
| <b>-Inhalation:</b>                      | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  |
| <b>-Ingestion:</b>                       | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  |
| <b>-Specific Treatment:</b>              | See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.   |
| <b>Spill:</b>                            | Absorb spillage to prevent material damage.   |
| <b>Storage:</b>                          | Store locked up. Store in corrosion resistant container.  |
| <b>Disposal:</b>                         | Dispose of contents and container in accordance with local, state and federal regulations.  |
| <b>Hazards Not Otherwise Classified:</b> | Not Applicable  |
| <b>Other Information:</b>                | <ul style="list-style-type: none"> <li>• Corrosive.</li> <li>• Harmful or fatal if swallowed.</li> <li>• Harmful contact may not cause immediate pain.</li> <li>• Take off and destroy contaminated shoes.</li> <li>• Keep out of reach of children.</li> <li>• NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</li> </ul> |

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name          | CAS No      | Weight-% |
|------------------------|-------------|----------|
| Water                  | 7732-18-5   | 30-60    |
| Butoxyethanol          | 111-76-2    | 10-30    |
| Ethanolamine           | 141-43-5    | 1-5      |
| Sodium Xylenesulfonate | 1300-72-7   | 1-5      |
| Sodium Hydroxide       | 1310-73-2   | 1-5      |
| C9-11 Alkyl Glucoside  | 132778-08-6 | 1-5      |
| Benzyl Benzoate        | 120-51-4    | <0.1     |
| Fragrance              | PROPRIETARY | <0.1     |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

|                            |  |
|----------------------------|--|
| <b>-Eye Contact:</b>       | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.  |
| <b>-Skin Contact:</b>      | Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. Discard or destroy contaminated shoes. |
| <b>-Inhalation:</b>        | Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.  |
| <b>-Ingestion:</b>         | Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.   |
| <b>Note to Physicians:</b> | NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.   |

### 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| <b>Suitable Extinguishing Media:</b>                          | Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire  |
| <b>Specific Hazards Arising from the Chemical:</b>            | Dried product is capable of burning. Combustion products are toxic.   |
| <b>Hazardous Combustion Products:</b>                         | May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.   |
| <b>Protective Equipment and Precautions for Firefighters:</b> | Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray. |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.  
**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.  
**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.  
**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.  
**Suggested Shelf Life:** Minimum of 2 years from date of manufacture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

| Chemical Name                 | ACGIH TLV                    | OSHA PEL  | NIOSH   |
|-------------------------------|------------------------------|---|---|
| Butoxyethanol<br>111-76-2     | TWA: 20 ppm                  | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S*                                      | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |
| Ethanolamine<br>141-43-5      | STEL: 6 ppm<br>TWA: 3 ppm    | TWA: 3 ppm<br>TWA: 6 mg/m <sup>3</sup><br>(vacated) TWA: 3 ppm<br>(vacated) TWA: 8 mg/m <sup>3</sup><br>(vacated) STEL: 6 ppm<br>(vacated) STEL: 15 mg/m <sup>3</sup> | IDLH: 30 ppm<br>TWA: 3 ppm<br>TWA: 8 mg/m <sup>3</sup><br>STEL: 6 ppm<br>STEL: 15 mg/m <sup>3</sup> |
| Sodium Hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup>  | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup>  |

**Engineering Controls:** Provide good general ventilation.  
 If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.  
 Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

### Personal Protective Equipment

**Eye/Face Protection:** Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.  
**Skin and Body Protection:** Wear rubber or other chemical-resistant gloves and solvent / alkali resistant boots. The use of other protective equipment should be considered in order to prevent or minimize contact with this product.

**Respiratory Protection:** Not required with expected use.  
 If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling.  
 See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                              |
|--|------------------------------|
| <b>Appearance/Physical State:</b>      | Liquid                       |
| <b>Color:</b>                          | Clear                        |
| <b>Odor:</b>                           | Fresh                        |
| <b>pH:</b>                             | 13.5-14.0                    |
| <b>Melting Point / Freezing Point:</b> | No information available.    |
| <b>Boiling Point / Boiling Range:</b>  | 100 °C / 212 °F              |
| <b>Flash Point:</b>                    | > 100 °C / > 212 °F ASTM D56 |
| <b>Evaporation Rate:</b>               | < 1 (Butyl acetate = 1)      |
| <b>Flammability (solid, gas)</b>       | No information available.    |
| <b>Upper Flammability Limit:</b>       | No information available.    |
| <b>Lower Flammability Limit:</b>       | No information available.    |
| <b>Vapor Pressure:</b>                 | No information available.    |
| <b>Vapor Density:</b>                  | No information available.    |
| <b>Specific Gravity:</b>               | 1.035                        |
| <b>Solubility(ies):</b>                | Soluble in water             |
| <b>Partition Coefficient:</b>          | No information available.    |
| <b>Autoignition Temperature:</b>       | No information available.    |
| <b>Decomposition Temperature:</b>      | No information available.    |
| <b>Viscosity:</b>                      | No information available.    |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                         | This material is considered to be non-reactive under normal conditions of use.                  |
| <b>Chemical Stability:</b>                 | Stable under normal conditions.   |
| <b>Possibility of Hazardous Reactions:</b> | Contact with aluminum or other reactive metals may release hydrogen gas.                        |
| <b>Conditions to Avoid:</b>                | Extremes of temperature and direct sunlight.  |
| <b>Incompatible Materials:</b>             | Strong oxidizing agents. Strong acids.  |
| <b>Hazardous Decomposition Products:</b>   | May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors. |

## 11. TOXICOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>Likely Routes of Exposure:</b>          | Eyes, Skin, Ingestion, Inhalation.  |
| <b>Symptoms of Exposure:</b>               |   |
| <b>-Eye Contact:</b>                       | Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage. |
| <b>-Skin Contact:</b>                      | Pain, redness, blistering and possible chemical burn.   |
| <b>-Inhalation:</b>                        | Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.  |
| <b>-Ingestion:</b>                         | Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.           |
| <b>Immediate, Delayed, Chronic Effects</b> |   |
| Product Information:                       | Data not available or insufficient for classification.  |
| Target Organ Effects:                      | Blood. Central nervous system. -Eyes. hematopoietic system. kidney. Liver. Respiratory System. -Skin. |

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

|                                |            |
|--------------------------------|------------|
| ATEmix (oral):                 | 1478 mg/kg |
| ATEmix (dermal):               | 3227 mg/kg |
| ATEmix (inhalation-dust/mist): | 4.8 mg/l   |
| ATEmix (inhalation-vapor):     | 7.9 mg/l   |

### Component Acute Toxicity Information

| Chemical Name      | Oral LD50          | Dermal LD50   | Inhalation LC50 |
|--------------------|--------------------|---------------|-----------------|
| Water<br>7732-18-5 | > 90 mL/kg ( Rat ) | Not Available | Not Available   |

|                                     |                      |                         |                       |
|-------------------------------------|----------------------|-------------------------|-----------------------|
| Butoxyethanol<br>111-76-2           | = 470 mg/kg ( Rat )  | = 99 mg/kg ( Rabbit )   | = 450 ppm ( Rat ) 4 h |
| Ethanolamine<br>141-43-5            | = 1720 mg/kg ( Rat ) | = 1000 mg/kg ( Rabbit ) | Not Available         |
| Sodium Xylenesulfonate<br>1300-72-7 | = 1000 mg/kg ( Rat ) | Not Available           | Not Available         |
| Sodium Hydroxide<br>1310-73-2       | Not Available        | = 1350 mg/kg ( Rabbit ) | Not Available         |
| Benzyl Benzoate<br>120-51-4         | = 500 mg/kg ( Rat )  | = 4000 mg/kg ( Rabbit ) | Not Available         |

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical Name                 | Algae/Aquatic Plants                              | Fish  | Toxicity to Microorganisms | Crustacea                                 |
|-------------------------------|---|---|----------------------------|---|
| Butoxyethanol<br>111-76-2     | Not Available                                     | 1490: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>2950: 96 h <i>Lepomis macrochirus</i> mg/L LC50   | Not Available              | 1000: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Ethanolamine<br>141-43-5      | 15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static<br>300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static<br>200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through | Not Available              | 65: 48 h <i>Daphnia magna</i> mg/L EC50   |
| Sodium Hydroxide<br>1310-73-2 | Not Available                                     | 45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static  | Not Available              | Not Available                             |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**US EPA Waste Number:** D002

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN 1760

**Proper Shipping Name:** Corrosive liquids, n.o.s., (contains sodium hydroxide)

**Hazard Class:** 8

**Packing Group:** II

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:**

**UN/ID No:** UN 1760

|                              |  |
|------------------------------|--|
| <b>Proper Shipping Name:</b> | Corrosive liquids, n.o.s., (contains sodium hydroxide) |
| <b>Hazard Class:</b>         | 8  |
| <b>Packing Group:</b>        | II   |

## 15. REGULATORY INFORMATION

### **TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product contains the following listed substances:

#### **Butoxyethanol**

CAS No 111-76-2 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate  
Chemical Category N230

### **SARA 311/312 Hazard Categories**

|   |     |
|---|-----|
| <b>Acute Health Hazard:</b>               | Yes |
| <b>Chronic Health Hazard:</b>             | Yes |
| <b>Fire Hazard:</b>                       | No  |
| <b>Sudden release of pressure hazard:</b> | No  |
| <b>Reactive Hazard:</b>                   | No  |

### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

|             |                           |                        |                            |                     |
|-------------|---------------------------|------------------------|----------------------------|---------------------|
| <b>NFPA</b> | <b>Health Hazards:</b> 3  | <b>Flammability:</b> 0 | <b>Instability:</b> 0      | <b>Special:</b> N/A |
| <b>HMIS</b> | <b>Health Hazards:</b> 3* | <b>Flammability:</b> 0 | <b>Physical Hazards:</b> 0 |                     |

|                              |                           |
|------------------------------|---------------------------|
| <b>Revision Date:</b>        | 22-Oct-2019               |
| <b>Reasons for Revision:</b> | Section, 2, 3, 8, and, 11 |

### **Disclaimer:**

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

**End of Safety Data Sheet**



# Spartan Chemical Company, Inc.

## WHMIS Safety Data Sheet

Revision Date: 15-Sep-2016

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** SUNNY-SIDE  
**Product Number:** 4045C  
**Recommended Use:** Floor Finish  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.      Canadian Agent:  
1110 Spartan Drive      Perley-Robertson, Hill & McDougal, LLP  
Maumee, Ohio 43537 USA      340 Albert Street, Suite 1400  
800-537-8990 (Business hours)      Ottawa, ON, Canada K1R 0A5  
www.spartanchemical.com

**Medical Emergency/Information:** 888-314-6171 (24 Hour)

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not Classified

Not classified as hazardous by WHMIS HazCom-GHS

#### GHS Label Elements

**Signal Word:**

**No signal word**

**Symbols:**

None

**Hazard Statements:**

No hazard statements

**Precautionary Statements:**

**Prevention:**

Not Applicable

**Response:**

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:** Not Applicable

**Other Information:**

- May cause skin irritation.
- May cause eye irritation.
- May be harmful if swallowed.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name                     | CAS No     | Weight-%  |
|-----------------------------------|------------|-----------|
| water                             | 7732-18-5  | 75.0-77.5 |
| acrylate copolymer                | 63744-68-3 | 12.5-15.0 |
| diethylene glycol monoethyl ether | 111-90-0   | 2.5-5.0   |
| modified rosin ester              | 68152-55-6 | 1.0-2.5   |
| tributoxyethyl phosphate          | 78-51-3    | 1.0-2.5   |

#### 4. FIRST AID MEASURES

|                            |   |
|----------------------------|---|
| <b>-Eye Contact:</b>       | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| <b>-Skin Contact:</b>      | Wash with soap and water. If skin irritation occurs: Get medical attention.   |
| <b>-Inhalation:</b>        | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.                      |
| <b>-Ingestion:</b>         | Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.                                   |
| <b>Note to Physicians:</b> | Treat symptomatically.  |

#### 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| <b>Suitable Extinguishing Media:</b>                          | Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire  |
| <b>Specific Hazards Arising from the Chemical:</b>            | Dried product is capable of burning. Combustion products are toxic.   |
| <b>Hazardous Combustion Products:</b>                         | May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.   |
| <b>Protective Equipment and Precautions for Firefighters:</b> | Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray. |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                   |   |
|-----------------------------------|---|
| <b>Personal Precautions:</b>      | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.   |
| <b>Environmental Precautions:</b> | Do not rinse spill onto the ground, into storm sewers or bodies of water.   |
| <b>Methods for Clean-Up:</b>      | Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). |

#### 7. HANDLING AND STORAGE

|                                 |   |
|---------------------------------|---|
| <b>Advice on Safe Handling:</b> | Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.                          |
| <b>Storage Conditions:</b>      | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing. |

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|  |   |
|--|---|
| <b>Occupational Exposure Limits:</b>   | None established.   |
| <b>Engineering Controls:</b>           | Provide good general ventilation.<br>If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. |
| <b>Personal Protective Equipment</b>   |   |
| <b>Eye/Face Protection:</b>            | Not required with expected use.   |
| <b>Skin and Body Protection:</b>       | Not required with expected use.   |
| <b>Respiratory Protection:</b>         | Not required with expected use.<br>If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.                |
| <b>General Hygiene Considerations:</b> | Wash hands and any exposed skin thoroughly after handling.<br>See 29 CFR 1910.132-138 for further guidance.   |

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                           |
|--|---------------------------|
| <b>Appearance/Physical State:</b>      | Liquid                    |
| <b>Color:</b>                          | White emulsion            |
| <b>Odor:</b>                           | Slight ammonia odor       |
| <b>pH:</b>                             | 8.7-9.1                   |
| <b>Melting Point / Freezing Point:</b> | No information available. |

|                                       |                             |
|---------------------------------------|-----------------------------|
| <b>Boiling Point / Boiling Range:</b> | 100 °C / 212 °F             |
| <b>Flash Point:</b>                   | > 99 °C / > 210 °F ASTM D56 |
| <b>Evaporation Rate:</b>              | < 1 (Butyl acetate = 1)     |
| <b>Flammability (solid, gas)</b>      | No information available.   |
| <b>Upper Flammability Limit:</b>      | No information available.   |
| <b>Lower Flammability Limit:</b>      | No information available.   |
| <b>Vapor Pressure:</b>                | No information available.   |
| <b>Vapor Density:</b>                 | No information available.   |
| <b>Specific Gravity:</b>              | 1.03                        |
| <b>Solubility(ies):</b>               | Miscible in water           |
| <b>Partition Coefficient:</b>         | No information available.   |
| <b>Autoignition Temperature:</b>      | No information available.   |
| <b>Decomposition Temperature:</b>     | No information available.   |
| <b>Viscosity:</b>                     | No information available.   |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                         | This material is considered to be non-reactive under normal conditions of use.                  |
| <b>Chemical Stability:</b>                 | Stable under normal conditions.   |
| <b>Possibility of Hazardous Reactions:</b> | Not expected to occur with normal handling and storage.   |
| <b>Conditions to Avoid:</b>                | Extremes of temperature and direct sunlight.  |
| <b>Incompatible Materials:</b>             | Strong oxidizing agents. Strong acids.  |
| <b>Hazardous Decomposition Products:</b>   | May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors. |

## 11. TOXICOLOGICAL INFORMATION

|  |  |
|--|--|
| <b>Likely Routes of Exposure:</b>          | Eyes, Skin, Ingestion, Inhalation.                     |
| <b>Symptoms of Exposure:</b>               |  |
| <b>-Eye Contact:</b>                       | Pain and redness.                                      |
| <b>-Skin Contact:</b>                      | Drying of the skin.                                    |
| <b>-Inhalation:</b>                        | Nasal discomfort and coughing.                         |
| <b>-Ingestion:</b>                         | Pain, nausea, vomiting and diarrhea.                   |
| <b>Immediate, Delayed, Chronic Effects</b> |  |
| <b>Product Information:</b>                | Data not available or insufficient for classification. |

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

|                                |             |
|--------------------------------|-------------|
| ATEmix (oral):                 | 23153 mg/kg |
| ATEmix (dermal):               | 40524 mg/kg |
| ATEmix (inhalation-dust/mist): | 45.9 mg/l   |

### Component Acute Toxicity Information

| Chemical Name                                 | Oral LD50            | Dermal LD50                               | Inhalation LC50                      |
|---|----------------------|---|--------------------------------------|
| water<br>7732-18-5                            | > 90 mL/kg ( Rat )   | Not Available                             | Not Available                        |
| diethylene glycol monoethyl ether<br>111-90-0 | = 1920 mg/kg ( Rat ) | = 4200 µL/kg ( Rabbit ) = 6 mL/kg ( Rat ) | > 5240 mg/m <sup>3</sup> ( Rat ) 4 h |
| tributoxyethyl phosphate<br>78-51-3           | = 3000 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit )                   | > 6.4 mg/L ( Rat ) 4 h               |

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical Name | Algae/Aquatic Plants | Fish | Toxicity to Microorganisms | Crustacea |
|---------------|----------------------|------|----------------------------|-----------|
|               |                      |      |                            |           |

|   |               |  |               |   |
|---|---------------|--|---------------|---|
| diethylene glycol monoethyl ether<br>111-90-0 | Not Available | 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through | Not Available | 3940 - 4670: 48 h Daphnia magna mg/L EC50 |
| tributoxyethyl phosphate<br>78-51-3           | Not Available | 10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through   | Not Available | Not Available                             |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**TDG / DOT:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Products  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non-Hazardous Products

### 15. REGULATORY INFORMATION

**DSL / NDSL Status:** (Domestic Substances List / Non-Domestic Substances List)

The chemical substances in this product are included on or exempt from listing on the Canadian DSL / NDSL.

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product contains the following listed substances:

**diethylene glycol monoethyl ether**

CAS No 111-90-0 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate, Chemical Category N230

**SARA 311/312 Hazard Categories**

|   |     |
|---|-----|
| <b>Acute Health Hazard:</b>               | Yes |
| <b>Chronic Health Hazard:</b>             | No  |
| <b>Fire Hazard:</b>                       | No  |
| <b>Sudden release of pressure hazard:</b> | No  |
| <b>Reactive Hazard:</b>                   | No  |

### 16. OTHER INFORMATION

|             |                          |                        |                            |                     |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| <b>NFPA</b> | <b>Health Hazards: 1</b> | <b>Flammability: 0</b> | <b>Instability: 0</b>      | <b>Special: N/A</b> |
| <b>HMIS</b> | <b>Health Hazards: 1</b> | <b>Flammability: 0</b> | <b>Physical Hazards: 0</b> |                     |

**Revision Date:** 15-Sep-2016  
**Reasons for Revision:** No information available.

**Disclaimer:**

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

**End of Safety Data Sheet**

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 235  
**Product name** STRIP-IT BASEBOARD STRIPPER  
**Effective date** 13-Nov-2007  
**Company information** CSI PRODUCTS, INC.  
ADDISON, IL 60101 United States  
**Company phone** General Assistance 1-630-543-7600  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Supersedes date** 13-Jun-2007

## 2. Hazards Identification

**Emergency overview** CONTENTS UNDER PRESSURE.  
Aerosol. Pressurized container may explode when exposed to heat or flame.

**OSHA regulatory status** Corrosive. Causes skin and eye burns. Irritating to respiratory system. May be harmful if absorbed through skin. Prolonged exposure may cause chronic effects.  
This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

**Routes of exposure** Eye contact. Skin contact. Inhalation.

**Eyes** This product causes eye burns. Risk of serious damage to eyes.

**Skin** Causes skin burns. Harmful in contact with skin.

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Causes burns. Irritating to respiratory system. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract. May cause delayed lung damage.

**Target organs** Kidney.  
  
Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.  
  
2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans.

**Chronic effects** Blood. Central nervous system. Liver. Respiratory system.  
Unconsciousness. Liver injury may occur. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage.

**Signs and symptoms** Discomfort in the chest. Narcosis. Cyanosis. Liver enlargement. Jaundice.

## 3. Composition / Information on Ingredients

| Components   | CAS #    | Percent |
|--|----------|---------|
| 2-Butoxyethanol  | 111-76-2 | 10 - 15 |
| Monethanolamine  | 141-43-5 | 5 - 8   |
| n-Butane   | 106-97-8 | 3 - 5   |
| Propane  | 74-98-6  | 3 - 5   |
| Non-hazardous and other components below reportable levels |          | 60 - 80 |

## 4. First Aid Measures

### First aid procedures

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.  |
| <b>Skin contact</b> | Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.  |
| <b>Inhalation</b>   | Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.  |
| <b>Ingestion</b>    | Have victim rinse mouth thoroughly with water. Get medical attention immediately. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |

### Notes to physician

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

### General advice

Immediate medical attention is required. In case of shortness of breath, give oxygen. Keep victim warm.

## 5. Fire Fighting Measures

### Flammable properties

Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.

### Extinguishing media

**Suitable extinguishing media** Alcohol foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

### Protection of firefighters

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

**Protective equipment and precautions for firefighters** In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

### Specific hazards

Fire may produce irritating, corrosive and/or toxic gases.

## 6. Accidental Release Measures

### Personal precautions

Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.

### Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

### Methods for cleaning up

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

## 7. Handling and Storage

### Handling

Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not breathe gas/fumes/vapor/spray. Do not get this material on clothing. Avoid prolonged exposure.

### Storage

Level 1 Aerosol.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

### Exposure limits

#### ACGIH

| Components      | CAS #    | TWA      | STEL            | Ceiling         |
|-----------------|----------|----------|-----------------|-----------------|
| 2-Butoxyethanol | 111-76-2 | 20 ppm   | Not established | Not established |
| Monethanolamine | 141-43-5 | 3 ppm    | 6 ppm           | Not established |
| n-Butane        | 106-97-8 | 1000 ppm | Not established | Not established |
| Propane         | 74-98-6  | 1000 ppm | Not established | Not established |

#### OSHA

| Components      | CAS #    | TWA      | STEL            | Ceiling         |
|-----------------|----------|----------|-----------------|-----------------|
| 2-Butoxyethanol | 111-76-2 | 50 ppm   | Not established | Not established |
| Monethanolamine | 141-43-5 | 3 ppm    | Not established | Not established |
| Propane         | 74-98-6  | 1000 ppm | Not established | Not established |

### Engineering controls

Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

#### Eye / face protection

Wear chemical goggles.

#### Skin protection

Do not get this material on clothing. Wear appropriate chemical resistant gloves. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Wear chemical protective equipment that is specifically recommended by the manufacturer.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### General hygiene considerations

Do not get this material in contact with skin. Do not get this material on clothing. Avoid contact with eyes. Avoid contact with clothing. When using do not eat or drink. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

|                    |                               |
|--------------------|-------------------------------|
| Appearance         | Compressed liquefied gas.     |
| Color              | Cloudy.                       |
| Odor               | Not established.              |
| Physical state     | Liquid.                       |
| Form               | Aerosol.                      |
| Flammability (HOC) | 6.8491 kJ/g estimated         |
| Flash back         | No                            |
| Pressure           | 45 - 55 psig @ 70 F           |
| Solubility         | Partially                     |
| Flash point        | -156 °F (-104.4 °C) estimated |
| Boiling point      | 222.8 °F (106.1 °C) estimated |
| Specific gravity   | 0.952 estimated               |
| pH                 | 11.4 - 12.4                   |

## 10. Chemical Stability & Reactivity Information

|                                  |   |
|----------------------------------|---|
| Chemical stability               | Risk of ignition. Stable at normal conditions.        |
| Conditions to avoid              | Heat, flames and sparks.                              |
| Hazardous decomposition products | Irritants. Toxic gas. May include oxides of nitrogen. |

## 11. Toxicological Information

|               |  |
|---------------|--|
| Acute effects | Acute LD50: 3290 mg/kg estimated, Rat, Oral<br>Acute LD50: 1928 mg/kg estimated, Rat, Dermal<br>Acute LC50: 17 mg/l/4h estimated, Rat, Inhalation<br>Causes burns. |
| Local effects | Liver toxicity. Blood disorder may occur after ingestion. Irritating to respiratory system.  |

**Chronic effects**

Hazardous by OSHA criteria. This product may be harmful if it is absorbed through the skin. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.

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

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

**Subchronic effects**

Kidney injury may occur. Blood disorder may occur after prolonged inhalation. Blood disorder may occur after prolonged skin contact.

**Neurological effects**

Hazardous by OSHA criteria.

**Mutagenicity**

Not expected to be hazardous by OSHA criteria.

**Reproductive effects**

Not expected to be hazardous by OSHA criteria.

**Teratogenicity**

Not expected to be hazardous by OSHA criteria.

**Further information**

Symptoms may be delayed.

|                                   |
|-----------------------------------|
| <b>12. Ecological Information</b> |
|-----------------------------------|

**Ecotoxicity**

LC50 1504 mg/L estimated, Fish, 96.00 Hours,  
 EC50 965 mg/L estimated, Daphnia, 48.00 Hours,  
 IC50 225 mg/L estimated, Algae, 72.00 Hours,  
 Components of this product have been identified as having potential environmental concerns.

|                                    |
|------------------------------------|
| <b>13. Disposal Considerations</b> |
|------------------------------------|

**Waste codes**

D001: Waste Flammable material with a flash point <140 F

**Disposal instructions**

Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

|                                  |
|----------------------------------|
| <b>14. Transport Information</b> |
|----------------------------------|

**Department of Transportation (DOT) Requirements****Basic shipping requirements:**

|                                |                    |
|--------------------------------|--------------------|
| <b>Proper shipping name</b>    | Consumer commodity |
| <b>Hazard class</b>            | ORM-D              |
| <b>Subsidiary hazard class</b> | None               |
| <b>Additional information:</b> |                    |
| <b>Packaging exceptions</b>    | 156, 306           |
| <b>Packaging non bulk</b>      | 156, 306           |
| <b>Packaging bulk</b>          | None               |

**IMDG****Basic shipping requirements:**

|                                |                                |
|--------------------------------|--------------------------------|
| <b>Proper shipping name</b>    | AEROSOLS, flammable, corrosive |
| <b>Hazard class</b>            | 2.1                            |
| <b>UN number</b>               | 1950                           |
| <b>Additional information:</b> |                                |
| <b>Item</b>                    | 5FC                            |
| <b>Labels required</b>         | 2.1<br>+8                      |
| <b>Transport Category</b>      | 1                              |



**IATA****Basic shipping requirements:**

**Proper shipping name** Aerosols, flammable, containing substances in Class 8, Packing Group III

**Hazard class** 2.1

**Subsidiary hazard class** 8

**UN number** 1950



|                                   |
|-----------------------------------|
| <b>15. Regulatory Information</b> |
|-----------------------------------|

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

None

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

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

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Inventory status**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| China                       | Inventory of Existing Chemical Substances in China (IECSC) | Yes                    |
| Europe                      | European Inventory of New and Existing Chemicals (EINECS)  | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)     | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)   | No                     |
| Korea                       | Existing Chemicals List (ECL)                              | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory              | Yes                    |

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

**State regulations****U.S. - Pennsylvania - RTK (Right to Know) List**

|                 |          |         |
|-----------------|----------|---------|
| 2-Butoxyethanol | 111-76-2 | Present |
| Monethanolamine | 141-43-5 | Present |
| n-Butane        | 106-97-8 | Present |
| Propane         | 74-98-6  | Present |

|                              |
|------------------------------|
| <b>16. Other Information</b> |
|------------------------------|

**HMIS® ratings** Health: 3\*  
Flammability: 2  
Physical hazard: 0

**Prepared by** Regulatory Compliance

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

**Issue date** 13-Nov-2007

# Fuel Right fuel additive

## Safety Data Sheet

according to the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 09/01/2015

Revision date: 25/07/2018

Version: 1.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Fuel Right fuel additive  
Product code : 15K

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Fuel additive

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

##### Manufacturer

Fairville Products, Inc.  
302 Robinson Lane  
Wilmington, DE 19805 USA  
302-425-4400

##### Distributor

Fuel Right (Canada) Limited  
PO Box 157  
Komoka, ON - Canada  
N0L 1R0  
519-473-9406  
[Info@fuelright.ca](mailto:Info@fuelright.ca)

#### 1.4. Emergency telephone number

(800) 429-9300, (703) 527-3887 CHEMTREC or 519-709-5113

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-CA classification

Flammable liquids, Category 4 H227  
Skin irritation, Category 2 H315  
Serious eye damage, Category 1 H318  
Carcinogenicity, Category 2 H351

#### 2.2. Label elements

##### GHS-CA labelling

Hazard pictograms (GHS-CA) :



GHS05

GHS08

Signal word (GHS-CA) :

Danger

Hazard statements (GHS-CA) :

H227 - Combustible liquid  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H351 - Suspected of causing cancer

Precautionary statements (GHS-CA) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 - Wear protective gloves, protective clothing, eye protection and face protection.  
P264 - Wash hands thoroughly after handling.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P308 + P313 - IF exposed or concerned: Get medical advice or attention.  
P302 + P352 - IF ON SKIN: Wash with plenty of water.  
P332 + P313 - If skin irritation occurs: Get medical advice or attention.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor.  
P403 - Store in a well-ventilated place.  
P405 - Store locked up.  
P501 - Dispose of contents and container in accordance with local, regional, national and international regulations.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

# Fuel Right 15K

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### 3.2. Mixture

| Name                  | Product identifier | %       |
|-----------------------|--------------------|---------|
| Cyclic amino compound | Trade Secret*      | 10 - 30 |
| Aliphatic diamine     | Trade Secret*      | 5 - 10  |
| Naphthalene           | (CAS No) 91-20-3   | 0.1 - 1 |

The exact chemical identity and/or exact percentages (concentration) of each ingredient has been held as confidential business information (CBI). Refer to Section 15 for additional information regarding this CBI claim.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May Cause Burns.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Water fog, dry chemical, alcohol-resistant foam, carbon dioxide.
- Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to cool exposed surfaces.

## SECTION 6: Accidental release measures

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

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

### 6.2. Environmental precautions

No additional information available

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Scoop up material and place in a disposal container. Spilled material may present a slipping hazard.

### 6.4. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapours and spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.

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Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep out of the reach of children. Store in a dry, cool and well-ventilated area. Keep container tightly closed. Store away from direct sunlight or other heat sources.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Naphthalene (91-20-3) |                                       |                      |
|-----------------------|---------------------------------------|----------------------|
| ACGIH                 | ACGIH TWA (ppm)                       | 10 ppm               |
| IDLH                  | US IDLH (ppm)                         | 250 ppm              |
| NIOSH                 | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 50 mg/m <sup>3</sup> |
| NIOSH                 | NIOSH REL (TWA) (ppm)                 | 10 ppm               |
| NIOSH                 | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 75 mg/m <sup>3</sup> |
| NIOSH                 | NIOSH REL (STEL) (ppm)                | 15 ppm               |

### 8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation to maintain airborne fly ash levels below the exposure limits, wear suitable NIOSH-approved, properly fitted respiratory equipment.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                                |
|---|--------------------------------|
| Physical state                                | : Liquid                       |
| Appearance                                    | : No data available.           |
| Colour  | : Pale yellow to amber         |
| Odour   | : Hydrocarbon/fish oil/ammonia |
| Odour threshold                               | : No data available            |
| pH  | : > 7 (alkaline)               |
| pH solution                                   | : No data available            |
| Relative evaporation rate (butylacetate=1)    | : No data available            |
| Relative evaporation rate (ether=1)           | : No data available            |
| Melting point                                 | : No data available            |
| Freezing point                                | : No data available            |
| Boiling point                                 | : No data available            |
| Flash point                                   | : 69 °C                        |
| Auto-ignition temperature                     | : 270 °C                       |
| Decomposition temperature                     | : No data available            |
| Flammability (solid, gas)                     | : Combustible                  |
| Vapour pressure                               | : No data available            |
| Vapour pressure at 50 °C                      | : No data available            |
| Relative vapour density at 20 °C              | : No data available            |
| Relative density                              | : No data available            |
| Relative density of saturated gas/air mixture | : No data available            |
| Density                                       | : 0.94 g/cm <sup>3</sup>       |
| Relative gas density                          | : No data available            |
| Solubility                                    | : ~ 65 %                       |

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according to the Hazardous Products Regulations (HPR) WHMIS 2015

|   |                     |
|---|---------------------|
| Partition coefficient: n-octanol/water          | : No data available |
| Log Kow   | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity                                       | : No data available |
| Viscosity, kinematic (calculated value) (40 °C) | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |
| Lower explosive limit (LEL)                     | : No data available |
| Upper explosive limit (UEL)                     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal storage conditions. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Open flame. Sources of ignition.

### 10.5. Incompatible materials

Oxidizers.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified.

| Fuel Right 15K      |                   |
|---------------------|-------------------|
| LD50 oral rat       | > 2000 mg/kg      |
| LD50 dermal rat     | > 2000 mg/kg      |
| LC50 inhalation rat | No data available |

| Naphthalene (91-20-3) |                             |
|-----------------------|-----------------------------|
| LD50 oral rat         | 490 mg/kg                   |
| LD50 dermal rabbit    | > 20 g/kg                   |
| LC50 inhalation rat   | > 340 mg/m <sup>3</sup> /1h |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Causes skin irritation.   |
| Serious eye damage/irritation     | : Causes serious eye damage.  |
| Respiratory or skin sensitisation | : Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity            | : Based on available data, the classification criteria are not met. |
| Carcinogenicity                   | : Suspected of causing cancer.                                      |

| Naphthalene (91-20-3)                    |  |
|--|--|
| IARC group                               | 2B (Possibly Carcinogenic to Humans)                   |
| National Toxicology Program (NTP) Status | 1, 3 (Reasonably Anticipated To Be A Human Carcinogen) |

|  |  |
|--|--|
| Reproductive toxicity                              | : Based on available data, the classification criteria are not met.  |
| Specific target organ toxicity (single exposure)   | : Based on available data, the classification criteria are not met.  |
| Specific target organ toxicity (repeated exposure) | : Based on available data, the classification criteria are not met.  |
| Aspiration hazard                                  | : Based on available data, the classification criteria are not met.  |
| Symptoms/injuries after inhalation                 | : May cause respiratory tract irritation.  |
| Symptoms/injuries after skin contact               | : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. |

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according to the Hazardous Products Regulations (HPR) WHMIS 2015

- Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

### SECTION 12: Ecological information

#### 12.1. Toxicity

- Ecology - general : May cause long-term adverse effects in the aquatic environment.

#### 12.2. Persistence and degradability

| Fuel Right 15K                |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

#### 12.3. Bioaccumulative potential

| Fuel Right 15K            |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations.
- Additional information : Handle empty containers with care because residual vapours are flammable.

### SECTION 14: Transport information

#### Transportation of Dangerous Goods (TDG)

In accordance with Transportation of Dangerous Goods

Not regulated for transport

### SECTION 15: Regulatory information

| Cyclic amino compound (Trade Secret)                  |  |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) |  |

| Aliphatic diamine (Trade Secret)                      |  |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) |  |

| Naphthalene (91-20-3)                                 |  |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) |  |

Canada WHMIS Confidential Business Information (CBI): The HMIRA number issued for this CBI claim is #9659. The date of filing is 2015-09-29.

### SECTION 16: Other information

- Date of issue : 09/01/2015
- Revision date : 25/07/2018
- Version : 1.1
- Other information : None.

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# SAFETY DATA SHEET

Issuing Date 28-Sep-2017

Revision Date 07-Jun-18

Revision Number 1

NGHS / English



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## 1. IDENTIFICATION

### Product identifier

**Product Name** DRYLOK Latex Concrete Floor Paint

### Other means of identification

**Product Code(s)** 1094893

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

**Recommended Use** Floor (Paint or Coating)

**Restrictions on use** No information available

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

**Supplier Identification** United Gilsonite Laboratories

**Address** 1396 Jefferson Ave.  
Dunmore  
PA  
18509  
US

**Telephone** Phone:570-344-1202  
Fax:570-969-7634

**E-mail** sales@ugl.com

### Emergency telephone number

**Company Emergency Phone Number** 570-344-1202

## 2. HAZARDS IDENTIFICATION

### Classification

|  |            |
|--|------------|
| Specific target organ toxicity (repeated exposure) | Category 1 |
|--|------------|



**Appearance** Multiple Colors**Physical state** Liquid**Odor** Amine**GHS Label elements, including precautionary statements****Danger****Hazard statements**

Causes damage to organs through prolonged or repeated exposure

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

Harmful to aquatic life.

**Unknown acute toxicity** 50.59632 % of the mixture consists of ingredient(s) of unknown toxicity  
 47.59632 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable.

**Mixture**

| Chemical name                                   | CAS-No     | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---|------------|---------|--|---|
| Hydrous Alum Silicates                          | 1332-58-7  | 10      | -  | -   |
| Quartz  | 14808-60-7 | 9       | -  | -   |
| Titanium dioxide                                | 13463-67-7 | 7       | -  | -   |
| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate | 25265-77-4 | 3       | -  | -   |

## 4. FIRST AID MEASURES

### First aid measures

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance.   |
| <b>Inhalation</b>     | Remove to fresh air.   |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b>   | Wash skin with soap and water.   |
| <b>Ingestion</b>      | Clean mouth with water and drink afterwards plenty of water.   |

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Unsuitable extinguishing media</b>                 | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Hazardous Combustion Products</b>                  | Carbon oxides.   |
| <b>Explosion Data</b>                                 |  |
| <b>Sensitivity to Mechanical Impact</b>               | None.  |
| <b>Sensitivity to Static Discharge</b>                | None.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. |
| <b>Other Information</b>    | Refer to protective measures listed in Sections 7 and 8.   |

### Methods and material for containment and cleaning up

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits**

| Chemical name                       | ACGIH TLV  | OSHA PEL   | NIOSH IDLH  |                            |
|-------------------------------------|--|--|---|----------------------------|
| Hydrous Alum Silicates<br>1332-58-7 | TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust          |                            |
| Quartz<br>14808-60-7                | TWA: 0.025 mg/m <sup>3</sup> respirable fraction   | TWA: 0.1 mg/m <sup>3</sup> (vacated)   | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust |                            |
| Titanium dioxide<br>13463-67-7      | TWA: 10 mg/m <sup>3</sup>  | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust   | IDLH: 5000 mg/m <sup>3</sup>  |                            |
| Chemical name                       | Alberta  | British Columbia   | Ontario TWAEV   | Quebec                     |
| Hydrous Alum Silicates<br>1332-58-7 | TWA: 2 mg/m <sup>3</sup>   | TWA: 2 mg/m <sup>3</sup>   | TWA: 2 mg/m <sup>3</sup>  | TWA: 5 mg/m <sup>3</sup>   |
| Quartz<br>14808-60-7                | TWA: 0.025 mg/m <sup>3</sup>   | TWA: 0.025 mg/m <sup>3</sup>   | TWA: 0.10 mg/m <sup>3</sup>   | TWA: 0.1 mg/m <sup>3</sup> |
| Titanium dioxide<br>13463-67-7      | TWA: 10 mg/m <sup>3</sup>  | TWA: 10 mg/m <sup>3</sup><br>TWA: 3 mg/m <sup>3</sup>  | TWA: 10 mg/m <sup>3</sup>   | TWA: 10 mg/m <sup>3</sup>  |

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

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



|                                       |  |
|---------------------------------------|--|
| <b>Eye/face protection</b>            | No special protective equipment required.  |
| <b>Skin and body protection</b>       | No special protective equipment required.  |
| <b>Respiratory protection</b>         | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| <b>General hygiene considerations</b> | Handle in accordance with good industrial hygiene and safety practice.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Multiple Colors          |
| <b>Odor</b>           | Amine                    |
| <b>Color</b>          | No information available |
| <b>Odor Threshold</b> | No information available |

| <u>Property</u>                               | <u>Values</u>      | <u>Remarks Method</u> |
|---|--------------------|-----------------------|
| <b>pH</b>                                     | 9                  |                       |
| <b>Melting / freezing point</b>               | No data available  | None known            |
| <b>Boiling point / boiling range</b>          | 100 °C / 212 °F    |                       |
| <b>Flash Point</b>                            | 5001 C / 9034 F    |                       |
| <b>Evaporation Rate</b>                       | No data available  | None known            |
| <b>Flammability (solid, gas)</b>              | No data available  | None known            |
| <b>Flammability Limit in Air</b>              |                    | None known            |
| <b>Upper flammability limit</b>               | No data available  |                       |
| <b>Lower flammability limit</b>               | No data available  |                       |
| <b>Vapor pressure</b>                         | No data available  | None known            |
| <b>Vapor density</b>                          | No data available  | None known            |
| <b>Relative density</b>                       | 1.3                |                       |
| <b>Water Solubility</b>                       | Completely soluble |                       |
| <b>Solubility(ies)</b>                        | No data available  | None known            |
| <b>Partition coefficient: n-octanol/water</b> | 0                  |                       |
| <b>Autoignition temperature</b>               | No data available  | None known            |
| <b>Decomposition temperature</b>              | No data available  | None known            |
| <b>Kinematic viscosity</b>                    | No data available  | None known            |
| <b>Dynamic viscosity</b>                      | 71                 |                       |

### Other Information

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Explosive properties</b>       | No information available |
| <b>Oxidizing properties</b>       | No information available |
| <b>Softening Point</b>            | No information available |
| <b>Molecular Weight</b>           | No information available |
| <b>VOC Content (%)</b>            | No information available |
| <b>Liquid Density</b>             | No information available |
| <b>Bulk Density</b>               | No information available |
| <b>Particle Size</b>              | No information available |
| <b>Particle Size Distribution</b> | No information available |

## 10. STABILITY AND REACTIVITY

|   |                                 |
|---|---------------------------------|
| <b>Reactivity</b>                         | No information available.       |
| <b>Chemical stability</b>                 | Stable under normal conditions. |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing.   |

|   |   |
|---|---|
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>              | None known based on information supplied. |
| <b>Incompatible materials</b>           | None known based on information supplied. |
| <b>Hazardous Decomposition Products</b> | Carbon oxides.                            |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. |

### Information on toxicological effects

**Symptoms** No information available.

### Numerical measures of toxicity

#### Acute Toxicity

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

**ATEmix (oral)** 55,897.00 mg/kg

**Unknown acute toxicity** 50.59632 % of the mixture consists of ingredient(s) of unknown toxicity  
 47.59632 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 50.59632 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component Information

| Chemical name                                   | Oral LD50             | Dermal LD50           | Inhalation LC50         |
|---|-----------------------|-----------------------|-------------------------|
| Titanium dioxide                                | > 10000 mg/kg ( Rat ) | -                     | -                       |
| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate | = 3200 mg/kg ( Rat )  | > 15200 mg/kg ( Rat ) | > 3.55 mg/L ( Rat ) 6 h |

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

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | No information available.   |
| <b>Serious eye damage/eye irritation</b> | No information available.   |
| <b>Respiratory or skin sensitization</b> | No information available.   |
| <b>Germ cell mutagenicity</b>            | No information available.   |
| <b>Carcinogenicity</b>                   | Classification based on data available for ingredients. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to |

this product.

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

| Chemical name                  | ACGIH | IARC     | NTP   | OSHA |
|--------------------------------|-------|----------|-------|------|
| Quartz<br>14808-60-7           | A2    | Group 1  | Known | X    |
| Titanium dioxide<br>13463-67-7 | -     | Group 2B | -     | X    |

#### Legend

##### ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

##### IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

##### NTP (National Toxicology Program)

Known - Known Carcinogen

##### OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

|                                 |   |
|---------------------------------|---|
| <b>Reproductive toxicity</b>    | No information available.                                       |
| <b>STOT - single exposure</b>   | No information available.                                       |
| <b>STOT - repeated exposure</b> | Causes damage to organs through prolonged or repeated exposure. |
| <b>Aspiration hazard</b>        | No information available.                                       |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Harmful to aquatic life.

| Chemical name                                   | Toxicity to Algae  | Toxicity to Fish                             | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---|--|--|----------------------------|----------------------------|
| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate | 72h EC50: = 18.4 mg/L<br>(Pseudokirchneriella subcapitata) | 96h LC50: = 30 mg/L<br>(Pimephales promelas) | -                          | 96h LC50: > 95 mg/L        |

**Persistence and Degradability** No information available.

#### Bioaccumulation

| Chemical name                                   | Log Pow |
|---|---------|
| 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate | 3.47    |

**Mobility** No information available.

**Other adverse effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

California Hazardous Waste Codes 331

## 14. TRANSPORT INFORMATION

|                      |               |
|----------------------|---------------|
| <b>DOT</b>           |               |
| Proper Shipping Name | NON-REGULATED |
| Hazard Class         | N/A           |
| <b>TDG</b>           | Not regulated |
| <b>MEX</b>           | Not regulated |
| <b>ICAO</b>          | Not regulated |
| <b>IATA</b>          | Not regulated |
| Proper Shipping Name | NON REGULATED |
| Hazard Class         | N/A           |
| <b>IMDG/IMO</b>      | Not regulated |
| Hazard Class         | N/A           |
| <b>RID</b>           | Not regulated |
| <b>ADR</b>           | Not regulated |
| <b>ADN</b>           | Not regulated |

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

#### International Inventories

|                      |   |
|----------------------|---|
| <b>TSCA</b>          | Contact supplier for inventory compliance status. |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status. |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status. |
| <b>ENCS</b>          | Contact supplier for inventory compliance status. |
| <b>KECL</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |
| <b>AICS</b>          | Contact supplier for inventory compliance status. |

#### Legend

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

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances



**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

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

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | No  |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**CWA (Clean Water Act)**

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

**CERCLA**

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

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

| Chemical name | California Proposition 65 |
|---------------|---------------------------|
| N/A           |                           |
|               |                           |
|               |                           |

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

This product may contain substances regulated by state right-to-know regulations.

| Chemical name                       | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|-------------------------------------|------------|---------------|--------------|--------------|----------|
| Hydrous Alum Silicates<br>1332-58-7 | X          | X             | X            |              |          |
| Quartz<br>14808-60-7                | X          | X             | X            |              | X        |
| Titanium dioxide<br>13463-67-7      | X          | X             | X            |              |          |

**16. OTHER INFORMATION**

|                                   |                                  |                       |                           |   |
|-----------------------------------|----------------------------------|-----------------------|---------------------------|---|
| <b><u>NFPA</u></b>                | <b>Health hazards</b> 1          | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Physical and Chemical Properties -</b> |
| <b><u>HMIS</u></b>                | <b>Health hazards</b> 1*         | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal Protection</b> X              |
| <i>Chronic Hazard Star Legend</i> | <i>* = Chronic Health Hazard</i> |                       |                           |   |

**Prepared By** Product Stewardship



23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 28-Sep-2017  
**Revision Date** 07-Jun-18  
**Revision Note** No information available

**Disclaimer**

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

**End of Safety Data Sheet**

# Material Safety Data Sheet

SAX VERSA TEMP LIQUID TEMPERA

Identity (Trade Name As Used On Label)

CHROMA INC

Manufacturer

205 BUCKY DRIVE

Address

LITITZ PA 17543

(717)626-8866

Phone Number (For Information)

(717)626-8866

Emergency Phone Number

Telex\*

MSDS Number\*

CAS Number\*

10/12

Date Prepared

Prepared By\*

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

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

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

## SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

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

Appearance and Odor

LIQUID TEMPERA IN ASSORTED COLORS. MAY BE SLIGHT AMMONIA SMELL.

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

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

Unusual Fire and Explosion Hazards N/A

\*Optional

**SECTION 4 - REACTIVITY HAZARD DATA**

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

**SECTION 5 - HEALTH HAZARD DATA**

|   |   |   |                             |   |   |
|---|---|---|-----------------------------|---|---|
| <b>PRIMARY ROUTES OF ENTRY</b>                      | <input type="checkbox"/> Inhalation<br><input type="checkbox"/> Skin Absorption | <input type="checkbox"/> Ingestion<br><input checked="" type="checkbox"/> Not Hazardous | <b>CARCINOGEN LISTED IN</b> | <input type="checkbox"/> NTP<br><input type="checkbox"/> IARC Monograph | <input type="checkbox"/> OSHA<br><input checked="" type="checkbox"/> Not Listed |
| <b>HEALTH HAZARDS</b>                               | Acute   | NONE  |                             |   |   |
|   | Chronic   | NONE  |                             |   |   |
| Signs and Symptoms of Exposure                      |   | NONE  |                             |   |   |
| Medical Conditions Generally Aggravated by Exposure |   | NONE  |                             |   |   |

**EMERGENCY FIRST AID PROCEDURES** - Seek medical assistance for further treatment, observation and support if necessary.

|              |      |
|--------------|------|
| Eye Contact  | NONE |
| Skin Contact | NONE |
| Inhalation   | NONE |
| Ingestion    | NONE |

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

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

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

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

|   |   |
|---|---|
| NFPA Rating* Health___ Flammability___ Reactivity___ Special___ | HMIS Rating* Health___ Flammability___ Reactivity___ Personal Protection___ |
|---|---|

\*Optional



# SAFETY DATA SHEET

Zinsser Perma-White

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : Zinsser Perma-White  
**Product description** : Paint.  
**Product type** : Liquid.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

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

Manufactured under license in the UK by  
Tor Coatings Limited  
Portobello Industrial Estate  
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County Durham  
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DH3 2RE  
Telephone no.: +44 (0) 191 4106611  
Fax no.: +44 (0) 191 4920125  
enquiries@tor-coatings.com

**e-mail address of person responsible for this SDS** : rpmeurohas@ro-m.com

### 1.4 Emergency telephone number

**Telephone number** : +44 (0) 207 858 1228  
**Hours of operation** : 24 / 7

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Skin Sens. 1, H317

**Classification according to Directive 1999/45/EC [DPD]**

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : R43  
R52/53

**Human health hazards** : May cause sensitisation by skin contact.

**Environmental hazards** : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**SECTION 2: Hazards identification**

- Hazard pictograms** : 
  
- Signal word** : Warning
- Hazard statements** : May cause an allergic skin reaction.
- Precautionary statements**
  - General** : Keep out of reach of children. Read label before use. If medical advice is needed, have product container or label at hand.
  - Prevention** : Avoid breathing vapour or spray. Wear protective gloves: nitrile rubber.
  - Response** : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention.
  - Storage** : Not applicable.
  - Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
  
- Supplemental label elements** : Not applicable.
  
- Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.
  
- Special packaging requirements**
  - Containers to be fitted with child-resistant fastenings** : Not applicable.
  - Tactile warning of danger** : Not applicable.

**2.3 Other hazards**

- Other hazards which do not result in classification** : None known.

**SECTION 3: Composition/information on ingredients**

**Substance/mixture** : Mixture

| Product/ingredient name                  | Identifiers  | %           | Classification                                   |   | Type    |
|--|--|-------------|--|---|---------|
|  |  |             | 67/548/EEC                                       | Regulation (EC) No. 1272/2008 [CLP]   |         |
| ethanediol                               | REACH #: 01-2119456816-28<br>EC: 203-473-3<br>CAS: 107-21-1<br>Index: 603-027-00-1 | 3 - <7      | Xn; R22  | Acute Tox. 4, H302<br>STOT RE 2, H373   | [1] [2] |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | EC: 264-843-8<br>CAS: 64359-81-5   | 0.03 - <2.5 | Xn; R21/22<br>C; R34<br>Xi; R37<br>R43<br>N; R50 | Acute Tox. 4, H302<br>Acute Tox. 3, H331<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 | [1]     |
| bronopol (INN)                           | EC: 200-143-0<br>CAS: 52-51-7<br>Index: 603-085-00-8                               | <0.1        | Xn; R21/22<br>Xi; R41, R37/38<br>N; R50          | Acute Tox. 3, H301<br>Acute Tox. 2, H310<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318   | [1]     |

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### SECTION 3: Composition/information on ingredients

|  |  |  |  |   |  |
|--|--|--|--|---|--|
|  |  |  |  | STOT SE 3, H335<br>Aquatic Acute 1, H400                                    |  |
|  |  |  | <b>See Section 16 for the full text of the R-phrases declared above.</b> | <b>See Section 16 for the full text of the H statements declared above.</b> |  |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### 4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 4: First aid measures

See toxicological information (Section 11)

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.

**Unsuitable extinguishing media** : Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

**Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

**Additional information** : No unusual hazard if involved in a fire.

## SECTION 6: Accidental release measures

Due to the organic solvents content of the mixture:

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

**For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

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

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

: Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8).

## SECTION 7: Handling and storage

Never use pressure to empty. Container is not a pressure vessel.  
Always keep in containers made from the same material as the original one.  
Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

### 7.2 Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations.

#### Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

#### Additional information on storage conditions

Observe label precautions. Store between the following temperatures: 4 to 26°C (39.2 to 78.8°F). Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.

Keep container tightly closed.

Keep away from sources of ignition. No smoking. Prevent unauthorised access.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values   |
|-------------------------|---|
| ethanediol              | <b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Particulate<br>STEL: 104 mg/m <sup>3</sup> 15 minutes. Form: Vapour<br>TWA: 52 mg/m <sup>3</sup> 8 hours. Form: Vapour<br>STEL: 40 ppm 15 minutes. Form: Vapour<br>TWA: 20 ppm 8 hours. Form: Vapour |

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

#### DNELs/DMELs

**SECTION 8: Exposure controls/personal protection**

| Product/ingredient name | Type | Exposure             | Value                | Population | Effects  |
|-------------------------|------|----------------------|----------------------|------------|----------|
| ethanediol              | DNEL | Long term Inhalation | 35 mg/m <sup>3</sup> | Workers    | Local    |
|                         | DNEL | Long term Dermal     | 35 mg/kg bw/day      | Consumers  | Systemic |
|                         | DNEL | Long term Inhalation | 7 mg/m <sup>3</sup>  | Consumers  | Local    |
|                         | DNEL | Long term Dermal     | 106 mg/kg bw/day     | Workers    | Systemic |

**PNECs**

| Product/ingredient name | Compartment Detail     | Value      | Method Detail |
|-------------------------|------------------------|------------|---------------|
| ethanediol              | Fresh water            | 10 mg/l    | -             |
|                         | Marine                 | 1 mg/l     | -             |
|                         | Fresh water sediment   | 20.9 mg/kg | -             |
|                         | Soil                   | 1.53 mg/kg | -             |
|                         | Sewage Treatment Plant | 199.5 mg/l | -             |

**8.2 Exposure controls**

**Appropriate engineering controls** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields. (EN166)

**Skin protection**

**Hand protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

**Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: Recommended: nitrile rubber.

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

\*\*\*TO BE TRANSLATED\*\*\*

EN 374-3 : 2003

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

**Body protection** : Wear overalls or long sleeved shirt. (EN 467)

## SECTION 8: Exposure controls/personal protection

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flattening should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Recommended: In case of insufficient ventilation, wear suitable respiratory equipment. organic vapour filter (Type A) (EN 140)

**Environmental exposure controls** : Do not allow to enter drains or watercourses.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid. (Viscous liquid.)

**Colour** : White.

**Odour** : Faint odour

**pH** : 9.5 [Basic.]

**Melting point/freezing point** : 0°C

**Initial boiling point and boiling range** : >100°C

**Flash point** : Closed cup: >100°C [Product does not sustain combustion.]

**Evaporation rate** : <1 compared with butyl acetate

**Flammability (solid, gas)** : Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. Nonflammable, but will burn on prolonged exposure to flame or high temperature.

**Burning time** : Not applicable.

**Burning rate** : Not applicable.

**Upper/lower flammability or explosive limits** : Not available.

**Vapour pressure** : 1.5 kPa [room temperature]

**Vapour density** : >1 (Air = 1)

**Relative density** : 1.3 (Water = 1)

**Solubility(ies)** : Soluble in the following materials: cold water and hot water. Very slightly soluble in the following materials: methanol and acetone.

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/ water** : Not available.

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Viscosity** : Dynamic (room temperature): 1600 to 4000 mPa·s

**Explosive properties** : Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. No unusual hazard if involved in a fire.

**Oxidising properties** : Not available.

### 9.2 Other information

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## SECTION 9: Physical and chemical properties

No additional information.

## SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : Stable under recommended storage and handling conditions (see Section 7).
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products.
- 10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO<sub>2</sub> and smoke can be generated.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

There are no data available on the mixture itself. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

### Acute toxicity

| Product/ingredient name                  | Result                          | Species | Dose                  | Exposure |
|--|---------------------------------|---------|-----------------------|----------|
| ethanediol                               | LD50 Oral                       | Rat     | 4700 mg/kg            | -        |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | LC50 Inhalation Dusts and mists | Rat     | 290 mg/m <sup>3</sup> | 4 hours  |
|  | LD50 Oral                       | Rat     | 756 mg/kg             | -        |
| bronopol (INN)                           | LC50 Inhalation Dusts and mists | Rat     | 800 mg/m <sup>3</sup> | 4 hours  |
|  | LD50 Dermal                     | Rat     | 64 mg/kg              | -        |
|  | LD50 Oral                       | Rat     | 180 mg/kg             | -        |

**Conclusion/Summary** : Not available.

### Acute toxicity estimates

Not available.

### Irritation/Corrosion

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## SECTION 11: Toxicological information

| Product/ingredient name | Result                   | Species | Score | Exposure                | Observation |
|-------------------------|--------------------------|---------|-------|-------------------------|-------------|
| ethanediol              | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 1 hours 100 milligrams  | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 6 hours 1440 milligrams | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 555 milligrams          | -           |
| bronopol (INN)          | Skin - Moderate irritant | Human   | -     | 10 milligrams           | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 80 milligrams           | -           |

**Conclusion/Summary** : Not available.

### Sensitisation

**Conclusion/Summary**

#### Skin

: May cause an allergic skin reaction.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs                |
|-------------------------|------------|-------------------|------------------------------|
| bronopol (INN)          | Category 3 | Not applicable.   | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs  |
|-------------------------|------------|-------------------|----------------|
| ethanediol              | Category 2 | Not determined    | Not determined |

### Aspiration hazard

Not available.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

## SECTION 12: Ecological information

| Product/ingredient name  | Result                                | Species                                 | Exposure |
|--|---------------------------------------|---|----------|
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one<br><br>bronopol (INN) | Acute EC50 18 ppb Marine water        | Algae - Skeletonema costatum            | 96 hours |
|  | Acute EC50 0.003 mg/l Fresh water     | Algae - Pseudokirchneriella subcapitata | 72 hours |
|  | Acute EC50 0.004 mg/l Fresh water     | Daphnia spec. - Daphnia magna - Neonate | 48 hours |
|  | Acute EC50 5.22 to 7 ppb Fresh water  | Daphnia spec. - Daphnia magna           | 48 hours |
|  | Acute LC50 22 µg/l Fresh water        | Crustaceans - Gammarus pulex            | 48 hours |
|  | Acute LC50 14 to 26 ppb Fresh water   | Fish - Lepomis macrochirus              | 96 hours |
|  | Acute LC50 2.7 to 3.3 ppb Fresh water | Fish - Oncorhynchus mykiss              | 96 hours |
|  | Acute EC50 0.4 to 2.8 mg/l            | Algae                                   | 72 hours |
|  | Acute EC50 1.6 to 3.2 ppm Fresh water | Daphnia spec. - Daphnia magna           | 48 hours |
|  | Acute LC50 36 to 51 ppm Fresh water   | Fish - Lepomis macrochirus              | 96 hours |
|  | Acute LC50 20 ppm Fresh water         | Fish - Oncorhynchus mykiss              | 96 hours |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

| Product/ingredient name | Test      | Result                   | Dose | Inoculum |
|-------------------------|-----------|--------------------------|------|----------|
| bronopol (INN)          | OECD 301B | >70 % - Readily - 5 days | -    | -        |

**Conclusion/Summary** : According to EC criteria: Expected to be inherently biodegradable

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| ethanediol              | -                 | -          | Readily          |
| bronopol (INN)          | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name                  | LogP <sub>ow</sub> | BCF | Potential |
|--|--------------------|-----|-----------|
| ethanediol                               | -1.34 to -1.93     | -   | low       |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | 3.59               | -   | low       |
| bronopol (INN)                           | 0.18               | -   | low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product**

## SECTION 13: Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste** : Yes.
- Disposal considerations** : Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

### European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

| Waste code | Waste designation   |
|------------|---|
| 08 01 15*  | aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances |

### Packaging

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Disposal considerations** : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Not emptied containers are hazardous waste.
- Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

|  | ADR/RID        | IMDG           | IATA           |
|--|----------------|----------------|----------------|
| <b>14.1 UN number</b>                  | Not regulated. | Not regulated. | Not regulated. |
| <b>14.2 UN proper shipping name</b>    | -              | -              | -              |
| <b>14.3 Transport hazard class(es)</b> | -              | -              | -              |
| <b>14.4 Packing group</b>              | -              | -              | -              |
| <b>14.5 Environmental hazards</b>      | No.            | No.            | No.            |
| <b>Additional information</b>          | -              | -              | -              |

- 14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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**SECTION 14: Transport information**

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

**CN code** : 3209 10 00

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorisation**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Other EU regulations**

**VOC for Ready-for-Use Mixture** : IIA/d. Interior/exterior trim and cladding paints for wood and metal. EU limit values: 150g/l (2007) 130g/l (2010.)  
This product contains a maximum of 30 g/l VOC.

**Europe inventory** : At least one component is not listed.

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

**SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

| Classification     | Justification   |
|--------------------|-----------------|
| Skin Sens. 1, H317 | Expert judgment |

**Full text of abbreviated H statements** : H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.

**SECTION 16: Other information**

|   |      |   |  |
|---|------|---|--|
|   | H400 | Very toxic to aquatic life.   |  |
|   | H410 | Very toxic to aquatic life with long lasting effects.   |  |
| <b>Full text of classifications [CLP/GHS]</b> | :    | Acute Tox. 2, H310  | ACUTE TOXICITY: SKIN - Category 2  |
|   |      | Acute Tox. 3, H301  | ACUTE TOXICITY: ORAL - Category 3  |
|   |      | Acute Tox. 3, H331  | ACUTE TOXICITY: INHALATION - Category 3  |
|   |      | Acute Tox. 4, H302  | ACUTE TOXICITY: ORAL - Category 4  |
|   |      | Aquatic Acute 1, H400   | AQUATIC TOXICITY (ACUTE) - Category 1  |
|   |      | Aquatic Chronic 1, H410   | AQUATIC TOXICITY (CHRONIC) - Category 1  |
|   |      | Eye Dam. 1, H318  | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  |
|   |      | Skin Corr. 1B, H314   | SKIN CORROSION/IRRITATION - Category 1B  |
|   |      | Skin Irrit. 2, H315   | SKIN CORROSION/IRRITATION - Category 2   |
|   |      | Skin Sens. 1, H317  | SKIN SENSITIZATION - Category 1  |
|   |      | STOT RE 2, H373   | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2                              |
|   |      | STOT SE 3, H335   | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3 |
| <b>Full text of abbreviated R phrases</b>     | :    | R22- Harmful if swallowed.  |  |
|   |      | R21/22- Harmful in contact with skin and if swallowed.  |  |
|   |      | R34- Causes burns.  |  |
|   |      | R41- Risk of serious damage to eyes.  |  |
|   |      | R37- Irritating to respiratory system.  |  |
|   |      | R37/38- Irritating to respiratory system and skin.  |  |
|   |      | R43- May cause sensitisation by skin contact.   |  |
|   |      | R50- Very toxic to aquatic organisms.   |  |
|   |      | R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |  |
| <b>Full text of classifications [DSD/DPD]</b> | :    | C - Corrosive   |  |
|   |      | Xn - Harmful  |  |
|   |      | Xi - Irritant   |  |
|   |      | N - Dangerous for the environment   |  |
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| <b>Version</b>                                | :    | 1   |  |
| <b>Notice to reader</b>                       |      |   |  |

***The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.***