



## 4. FIRST AID MEASURES

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes . If irritation develops or persists, get medical attention.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

## 5. FIREFIGHTING MEASURES

Flash Point: 122 C (252 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Do not entire fire area without proper protective equipment, including respiratory protection

## 6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation .

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

## 7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
1,2-Propylene glycol 57-55-6	OELs not established	OELs not established	Not Established

Use explosion-proof equipment with flammable materials.

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296 . Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl . Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure .

Respiratory protection: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Liquid	<b>Odor:</b> Slight
<b>Vapor Pressure:</b> 7.2 Pa 20°	<b>Odor threshold:</b> Not Available
<b>Vapor Density:</b> 7.0	<b>pH:</b> Not Available
<b>Density:</b> 1.07	<b>Melting point:</b> Not Available
<b>Freezing point:</b> Not Available	<b>Solubility:</b> Not Available
<b>Boiling range:</b> 100°C	<b>Flash point:</b> 252 F, 122 C
<b>Evaporation rate:</b> Not Available	<b>Flammability:</b> Not Available
<b>Explosive Limits:</b> Not Available	<b>Partition coefficient (n-octanol/water):</b> Not Available
<b>Autoignition temperature:</b> Not Available	<b>Decomposition temperature:</b> Not Available
<b>Viscosity:</b> Not Available	<b>Grams VOC/liter less water:</b> 3.86

## 10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Mixture Toxicity**

**Component Toxicity**

Toxicological Routes of Entry

**No Data Available / Not Applicable**

Specific Target Organs Toxicology

**No Data Available / Not Applicable**

**Effects of Overexposure**

Carcinogenicity

CAS Number

Description

% Weight

Carcinogen Rating

None

No Data Available / Not Applicable

## 12. ECOLOGICAL INFORMATION

No data available

### Component Ecotoxicity

1,2-Propylene glycol

96 Hr EC50 Pseudokirchneriella subcapitata: 19000 mg/L

96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50

Oncorhynchus mykiss: 41 - 47 mL/L [static]; 96 Hr LC50 Pimephales promelas:

51400 mg/L [static]; 96 Hr LC50 Pimephales promelas: 710 mg/L

48 Hr EC50 Daphnia magna: >1000 mg/L [Static]

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

## 14. TRANSPORT INFORMATION

### Agency

### Proper Shipping Name

### UN Number

### Packing Group

### Hazard Class

DOT

Not regulated for transport

IATA

Not regulated for transport

IMDG

Not regulated for transport

## 15. REGULATORY INFORMATION

U.S. Federal Regulations

### **State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

140-88-5 Ethyl acrylate Carcinogens

The following chemicals are reportable under Sara 313

- None

### Country

USA

### Regulation

Toxic Substances Control Act (listed or exempt)

### All Components Listed

Yes

## 16. OTHER INFORMATION

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Reviewer Revision

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