

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Foam. Carbon dioxide (CO₂). Water.

Unsuitable extinguishing media: Not determined.

Specific hazards arising from the chemical

None known.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx).

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 Spills may be slippery.

Methods and material for containment and cleaning up

Methods for containment & cleaning up Prevent further leakage or spillage if safe to do so. This product is biodegradable. Flush to sewage drain. Rinse area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store away from heat and incompatible materials. Keep from freezing.

Incompatible Materials Oxidizers such as bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Appropriate engineering controls

Engineering Controls Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses are recommended.

Skin and body protection If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use.

Respiratory protection No protective equipment is needed under normal use conditions.

General Hygiene Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Light green liquid
Color	Light green
Odor	Light Cimarron (cinnamon-like)
Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7-8	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	None	Tag Closed Cup
Evaporation Rate	1	(Water = 1)
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	17.5 mm Hg	
Vapor Density	Not determined	
Specific Gravity	0.990	(1=Water)
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	

Other Information

Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined
VOC Content	None

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility Of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions To Avoid

Keep out of reach of children.

Incompatible Materials

Oxidizers such as bleach.

Hazardous Decomposition Products

When strongly heated, as in a fire, this product may produce oxides of nitrogen and carbon.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Skin Contact	Avoid contact with skin.
Eye Contact	Avoid contact with eyes.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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Numerical measures of toxicity - Product Information

Not determined

Unknown Acute Toxicity	10.5 % of the mixture consists of ingredient(s) of unknown toxicity
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12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not determined.

Soil Mobility

Not determined.

Persistence and Degradability

Not determined.

Bioaccumulation

Not determined.

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

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

<u>DOT</u>	<i>Not regulated.</i>
<u>ATA</u>	<i>Not regulated.</i>
<u>IMDG</u>	<i>Not regulated.</i>

15. REGULATORY INFORMATIONInternational Inventories

TSCA Listed

Legend:

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

US Federal RegulationsSARA 313

None

SARA 311/312 Hazard Categories

This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370).

US State RegulationsCalifornia Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene Glycol 57-55-6	X		X

16. OTHER INFORMATION

NFPA	Health hazards	ND	Flammability	ND	Reactivity	ND	Other	ND
HMIS	Health hazards	0	Flammability	0	Reactivity	0	Personal protection	B

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Revision Note

N/A = Not Applicable; N/D = Not Determined

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