

Safety Data Sheet

Hazard Information

Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS).

Chemical and Company Identification

Product name	Product code	
Glycerol, Ultrapure	GR124-1	<i>For research use only.</i>

Supplier

Hoefer, Inc.
84 October Hill Road, Suite 10
Holliston, MA 01746
Phone: 800-227-4750
508-893-8999

Emergency Contact

ChemTel Inc.
800-255-3924 (North America) +1-813-248-0585 (International)
1-300-954-583 (Australia) 0-800-591-6042 (Brazil)
000-800-100-4086 (India) 400-120-0751 (Peoples Republic of China)
800-099-0731 (Mexico)

Composition / Ingredients

Hazard	CAS No.	EC No.	%WT	Molecular Formula	Molecular Weight
Glycerol	56-81-5	None	99+	C ₃ H ₈ O ₃	92.05 g/mol

Hazards Identification

GHS Classification:

Not hazardous according to GHS

Potential Health Effects:

Target Organs: None known.

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: May cause irritation. May cause respiratory irritation when exposed to mist of this product.

Ingestion: May cause irritation of the digestive tract.

Chronic Health Hazards: Not available.

First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes. If irritation developed, get medical aid.

Skin: Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get MEDICAL ATTENTION if symptoms develop

Ingestion: Wash mouth with water. Do not induce vomiting. Get medical aid if irritation or symptoms develop.

Fire-Fighting Measures

General Information: Always wear full protective gear in the event of a fire. Toxic gases and vapors may be generated by decomposition or combustion. When heated sufficiently, containers may explode.

Flammable: No

Flash Point: 193°C

Autoignition Temperature: 400°C

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Lower: 1.1; Upper: N/A.

Accidental Release Measures

Ventilate the area. Wear appropriate protective equipment. Absorb with inert material and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

Leak and Spill Procedures:

Ventilate the area. Wear appropriate protective equipment. Cover with absorbent material. Sweep and place in a closed container. Avoid excessive heat.

Handling and Storage

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize spills and run-off.

Storage Conditions: Room temperature

Exposure Controls/Personal Protection

Exposure Limits: OSHA: 10 mg/m³ TWA

Use adequate ventilation. Wear appropriate protective equipment to prevent eye and skin exposure. Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves

Ventilation: Local exhaust systems

Respiratory Protection: Use OSHA/MSHA approved respirator if OSHA limits are exceeded.

Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Clear, no odor

Freezing/Melting Point: -6.7°

Boiling Point: 290°C

Specific Gravity: 1.4746

Vapor Density: 3.17

Solubility: Miscible in water

pH: N/A

Stability and Reactivity

Stability: Stable at normal temperatures and pressure.

Conditions to Avoid: Dust generation. Excess heat.

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Toxic fumes of carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur

Toxicological Properties

Exposure Limits:

LD₅₀/LC₅₀:

Oral, mouse LD₅₀ = 4090 mg/kg

Oral, rat LD₅₀ = 12600 mg/kg

Draize test: rabbit eye: 126 mg, mild

Draize test: rabbit eye: 500 mg/24 hr, mild

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Carcinogenicity: Not listed by ACGIH, IARC, NTP or OSHA.

Ecological Information

No information found on toxicity, biodegradability, bioaccumulation.

Disposal Considerations

Waste Disposal: Observe all Federal, provincial and local regulations. Dispose of surplus and non-recyclable solutions to a licensed disposal company.

Transportation Information

Shipping Information: Not regulated.

Regulatory Information

US: TSCA listing

European/International: Safety phrases: avoid contact with skin and eyes.

Canada: WHMIS: not controlled.

Additional Information

Hazard Rating System (Estimated)

NFPA	Health	Fire	Reactivity
1	0	0	0

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.

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www.hoeferinc.com

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