



Material Safety Data Sheet



HMIS

Health Hazard	1
Fire Hazard	1
Reactivity	0

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Trade Name **Asbestos Test A3** Code RE2016

Manufacturer Haztech Systems, Inc. CAS # 56-81-5
 PO Box 929 RTECS MA8050000
 Mariposa, CA 95338 TSCA TSCA 8(b) inventory: Glycerin

Commercial Name Not available.

Synonyms 1,2,3-Propanetriol CI #

In case of emergency contact CHEMTREC
 (24 hours) at 800-424-9300

HazTech Systems, Inc. 800-543-5487

Spectrum Chemical Mfg. Corp. 310-516-8000

Chemical Formula C₃H₅(OH)₃

Supplier Spectrum Chemical Mfg. Corp.
 14422 S. San Pedro St.
 Gardena, CA 90248

Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m ³)	STEL	CEIL (mg/m ³)	
Glycerin	56-81-5	15			100

Toxicological Data on Ingredients Glycerin: ORAL (LD50): Acute: 12600 mg/kg [Rat]. 4090 mg/kg [Mouse].
 DERMAL (LD50): Acute: 10000 mg/kg [Rabbit].
 VAPOR (LC50): Acute: >570 mg/m³ 1 hours [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects Hazardous in case of skin contact (sensitizer), of inhalation (lung irritant, lung sensitizer). Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), . Severe over-exposure can result in death.

Potential Chronic Health Effects CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.
 TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.
 The substance may be toxic to kidneys, upper respiratory tract, skin, eyes.
 Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5. Fire and Explosion Data

Flammability	May be combustible at high temperature.
Auto-Ignition Temperature	380°C (716°F)
Flash Point	CLOSED CUP: 160°C (320°F). OPEN CUP: 176.67°C (350°F).
Flammable Limits	LOWER: 0.9%
Products of Combustion	These products are carbon oxides (CO, CO ₂), irritating and toxic fumes.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Dry chemical powder or CO ₂
Special Remarks on Fire Hazards	Glycerin is incompatible with strong oxidizers such as chromium trioxide, potassium chlorate, or potassium permanganate and may explode or burn on contact with these compounds.

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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Section 7. Handling and Storage

Precautions	If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes
Storage	Keep in HazCat Kit.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use in a well ventilated area.
Personal Protection	Gloves and goggles.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Viscous)	Volatility	Not available
Molecular Weight	92.09 g/mole	Odor Threshold	Not available
pH (1% Solution in Water)	Not available	Water/Oil Dist. Coeff.	The product is more soluble in water; log(oil/water) = -1.8
Boiling Point	Decomposes 290°C (554°F)	Ionicity (in Water)	Not available
Melting Point	19°C (66.2°F)	Dispersion Properties	Not available
Critical Temperature	Not available	Solubility	Easily soluble in cold water, hot water. Soluble in acetone.
Specific Gravity	1.26 (Water = 1)	Odor	Mild
Vapor Pressure	Not available	Taste	Sweet.
Vapor Density	3.17 (Air = 1)	Color	Clear Colorless.

Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Non-corrosive in presence of glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Avoid contact with incompatible materials, excess heat and ignition sources.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Reactive with oxidizing agents, moisture. Hygroscopic.		

Section 11. Toxicological Information

Route of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 4090 mg/kg [Mouse]. Acute dermal toxicity (LD50): 10000 mg/kg [Rabbit]. Acute toxicity of vapor (LC50): >570 mg/m ³ hour [Rat]
Chronic Effects on Humans	May cause damage to the following organs: kidneys, upper respiratory tract, skin, eyes.
Other Toxic Effects on Humans	Hazardous in case of skin contact (sensitizer), of inhalation (lung irritant, lung sensitizer). Slightly hazardous in case of skin contact (irritant).
Special Remarks on Toxicity to Animals	TDL (rat) - Route: Oral; Dose: 100 mg/kg 1 day prior to mating
Special Remarks on Chronic Effects on Humans	May cause adverse reproductive effects based on animal data. Spermatogenesis
Special Remarks on Other Toxic Effects on Humans	May affect behavior, gastrointestinal tract and urinary system.

Section 12. Ecological Information

Ecotoxicity	Ecotoxicity in water (LC50): 58.5 ppm 96 hours [Trout].
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. Long term degradation products may arise. The products of degradation are more toxic.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification CLASS 6.1: Poisonous material.

Identification POISONOUS LIQUIDS, N.O.S. UNNA: UN2810 PG: I

Special Provisions for Transport Not available.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations
 Pennsylvania RTK: Glycerin
 Minnesota: Glycerin
 Massachusetts RTK: Glycerin
 Tennessee - Hazardous Right to Know: Glycerin
 TSCA 8(b) inventory: Glycerin

California Proposition 65 Warnings

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
 EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other classifications
 WHMIS (Canada) CLASS D-2B: Material causing other toxic effects (TOXIC).
 DSCL (EEC) R37/38- Irritating to respiratory system and skin.
 R42/43- May cause sensitization by inhalation and skin contact.
 R50- Very toxic to aquatic organisms.
 S24/25- Avoid contact with skin and eyes.
 S37- Wear suitable gloves.
 S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 16. Other Information

Catalog Number(s) RE2016
 References Not available.
 Other Special Considerations Not available.
 Validated by R. Houghton 11/26/01
 Verified by R. Turkington

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.