



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Crude Glycerin
Chemical Name: 1,2,3-propanetriol

Recommended use of the chemical and restrictions on use: Industrial use.

Distributor: EnviroTech Services, Inc.
910 54th Avenue Suite 230
Greeley, CO 80634
Telephone: (970) 346-3900

Emergency Phone: CHEMTREC: (800) 424-9300
SDS Date of Preparation: 7/12/2017

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical	Health	Environment
Not Hazardous	Hazardous	Not Hazardous

GHS Label Elements:

Caution!
May cause slight skin and eye irritaion.
High mist concentrations may cause irritation of the respiratory tract.
Target Organ: Lung

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Glycerin	56-81-5	> 80%
Water	7732-18-5	< 15%
Methanol	67-56-1	< 1%
Sodium Chloride	7647-14-5	< 5 %

4. FIRST AID MEASURES

Eye: Flush victim's eyes with water while holding the eyelids apart. Get medical attention if irritation occurs and persists.

Skin: Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before reuse.

Ingestion: Do not induce vomiting unless directed to do so by a medical professional. Rinse mouth with water and give one glass of water to drink. Do not give liquids to an unconscious person. Get medical attention if symptoms develop.

Inhalation: If symptoms occur, remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

Most important Symptoms: High mist concentrations may cause irritation of the respiratory tract.

Indication of immediate medical attention/special treatment: Immediate medical attention is not required.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use media appropriate for surrounding fire. Cool fire exposed containers and structures with water.

Specific hazards arising from the chemical: None known.

Hazardous Combustion Products: Carbon oxides, sodium oxides.

Special Protective Equipment and Precautions for Fire-Fighting Instructions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. May cause surfaces to be extremely slippery and cause a slip hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing as described in Section 8. Wash thoroughly after handling.

Methods and Materials for Containment and Cleaning Up: Mop up material and collect in a suitable container for disposal. Flush spill area with water only once material is swept. Report releases as required by local, state, and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin, and clothing. Avoid breathing vapors and mists. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible materials. Store in standard flammable liquid storage tanks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Glycerin Mist	ACGIH TWA 10 mg/m ³
Glycerin Mist (Respirable Fraction)	OSHA PEL 5 mg/m ³
Glycerin Mist (Total Dust)	OSHA PEL 15 mg/m ³
Glycerin Mist (Respirable Fraction)	OSHA TWA 5 mg/m ³

Engineering Controls: Use with adequate general ventilation to minimize exposures.

Respiratory Protection: In operations where exposure levels are excessive, a NIOSH approved respirator with dust cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: Wear impervious gloves such as rubber or neoprene if needed to avoid prolonged skin contact.

Eye Protection: Safety glasses recommended.

Other: Long-sleeved clothing and long pants recommended to avoid prolonged skin contact. Suitable washing facilities should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Brown to dark amber liquid with low, grain-like odor.

Physical State: Liquid	Weight per gallon: 10.0 – 10.6 lbs/gallon
Vapor Density: 3.17 (Air = 1)	Initial Boiling Point/Range: > 130°C (266°F)
Solubility In Water: Miscible	Vapor Pressure: Not determined
Specific Gravity: 1.20—1.27 @ 25°C (77°F)	Evaporation Rate: Not determined
Melting Point: 18°C (64°F)	pH: 4—7
% Volatile by weight: Not determined	Octanol/Water Coefficient: Not determined
Solubility (other): Not determined	Decomposition Temperature: Not determined
Viscosity: Not determined	Partition Coefficient: Not determined
Flashpoint: > 120°C (248°F)	Autoignition Temperature: Not determined
Flammable Limits: LEL: Not determined	Odor Threshold: Not determined

10. STABILITY AND REACTIVITY

Reactivity: None known.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Heating material.

Hazardous Polymerization: Will not occur.

Incompatible Materials: Avoid strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides, sodium oxides.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: Ingestion may cause gastrointestinal irritation.

Inhalation: Inhalation of mists causes irritation of the nose, throat, and upper respiratory tract.

Eye: Causes eye irritation.

Skin: May cause slight irritation on prolonged or repeated contact.

Sensitization: This material is not known to cause sensitization.

Chronic: None known.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP, or OSHA.

Germ Cell Mutagenicity: None currently known.

Reproductive Toxicity: None currently known.

Numerical Measures of Toxicity:

LD50 (oral, rat): 12,600 mg/kg

LD50 (dermal, rabbit): > 10,000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not determined

Persistence and Degradability: Readily biodegradable

Bioaccumulative Potential: Not expected

Mobility in Soil: Very high

Other Adverse Effects: None known

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state, and federal environmental regulations.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description:

Proper Shipping Name: Not regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

SARA Hazard Category (311/312): Acute. Eye, skin, and respiratory tract irritant.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

Canadian CEPA: All the components of this product are listed on the Canadian DSL.

Canadian WHMIS Classification: None

16. OTHER INFORMATION

NFPA Rating: Health = 1 Flammability = 1 Instability = 0
HMIS Rating: Health = 1 Flammability = 1 Physical Hazard = 0

SDS Revision History:

5/15/2014: New SDS

4/23/2015: Reviewed, no changes needed

4/12/2016: Reviewed, no changes required

7/12/2017: Reviewed, no changes required

Disclaimer: *This Safety Data Sheet (SDS) is provided in response to customer requests to address the safe handling of the product. All statements, technical information and recommendations contained herein are the best of our knowledge, reliable and accurate. This SDS is not intended to make any representation as to how the product will perform when used for its intended purpose by a user. In that regards the product is sold "AS IS" and nothing in this SDS should be deemed to be a representation or warranty of any injury, loss, or damage, of any kind or nature, which are sustained by or arise from the use of the product. Nothing in this SDS is intended to be a representation or warranty by the manufacturer of the accuracy, safety, or usefulness for any purpose of any technical information, materials, techniques, or practices.*

The information contained in this Safety Data Sheet is, to the best of our knowledge, accurate and reliable. This information should be provided to all individuals handling this product. Federal, state, and local regulations should be followed when handling this product.