

Safety Data Sheet (SDS):

Crude Glycerin

Version 1.1

Revision Date 09/18/2015

Section 1 : Identification

- Product Identifier: Crude Glycerin
- Company Identification : Glycerin Traders LLC 2010 Michigan Ave. LaPorte, IN 46350
219-369-4991 office 219-851-6089 mobile CHEMTREC 800-424-9300
dzeedyk@hotmail.com www.glycerintraders.com
- Use: Intermediate

Section 2 : Hazard(s) Identification

- GHS Classification: Not considered hazardous per OSHA standard 29 CFR 1910.1200.

P501 Dispose of contents/containers to comply with local, state, and federal regulations
- Other Hazards not Contributing to the Classification: None
- Unknown Acute Toxicity: Not applicable

Section 3 : Composition/Information on Ingredients

CAS #	CHEMICAL NAME	WEIGHT (%)	EINECS #
56-81-5	Glycerin	70-90	200-289-5
67-56-1	Methanol	< 1.0	200-659-6
124-41-4	Ash	3-7	NA
67762-38-3	Fatty Acid	1-5	263-130-9
7732-18-5	Water	5-10	215-185-5

Synonyms 1,2,3-propanetriol, glycol alcohol, glycerol triol, aliphatic alcohol

Formula C₃H₈O₃

Molecular Weight 92.09 g/mol

EC-No. 200-289-5

GHS Classification of Substance in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS):

Not a hazardous substance or mixture.

Section 4 : First-Aid Measures

IF INHALED: Remove the victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

IF SKIN CONTACT: Wash immediately with at least 15 minutes of water while removing clothing and shoes.

UPON EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

AFTER INGESTION: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Give medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

Most Important Symptoms Upon Exposure

AFTER INHALATION: May cause respiratory irritation. May cause effects similar to those of ingestion.

AFTER SKIN CONTACT: May cause irritation.

AFTER EYE CONTACT: Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Vapors may cause eye irritation. May cause painful sensitization to light.

AFTER INGESTION: Nausea. Vomiting.

MAY APPEAR LATER: Prolonged or repeated skin contact may cause dermatitis.

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion.

Indication of any immediate medical attention and special treatment needed: Effects may be delayed. Ethanol may inhibit metabolism.

Section 5 : Fire-Fighting Measures

Extinguishing Media: Preferably, alcohol resistant foam. Water spray. BC Powder. Carbon dioxide

Unsuitable Extinguishing Media: Solid water jet ineffective as extinguishing media.

Special Hazards Arising from the Substance: This product is not a flammable liquid per the OSHA Hazard communication standard, but will ignite and burn at temperatures exceeding the flash point. Spontaneous combustion may occur under high temperature, closed conditions if the material is absorbed in various fiber matrices and oxygen is present (i.e. oily rags). For additional fire related information, see NFPA 30.

Advice to Firefighters:

- Wear self-contained breathing apparatus for fire fighting.
- Cool tanks/drums with water spray/remove them into safety. Do not remove the load if exposed to heat. Take into account fire-fighting water. Use water moderately and if possible collect or contain it.
- Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing and from as far a distance as possible.
- Keep run-off water out of sewers and water sources.

NFPA: Health 1

Flammability 1

Instability 0

Special Hazards NA

Section 6 : Accidental Release Measures

Personal Precautions: Keep public away. Isolate and evacuate area. Shut off source if safe to do so. ALL CONTAMINATED SURFACES WILL BE SLIPPERY.

Protective Equipment: Use proper personal protective equipment as indicated in Section 8.

Emergency Procedures: Advise authorities and National Response Center (800-424-8802) if the product has entered a water source or sewer. Notify local health and pollution control agencies if appropriate.

Environmental Precautions: Prevent soil and water pollution. Prevent spreading into sewers.

Methods and Materials for containment: Absorb liquid with inert material (i.e. dry sand or earth), then place into a chemical waste container. Remove all sources of ignition. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces. Clean contaminated surface thoroughly.

Reference to Other Sections

Section 8 (ppe) and Section 13 (disposal)

Section 7 : Handling and Storage

Precautions for Safe Handling:

Comply with all legal requirements. Wash thoroughly after handling. Use only in a well-ventilated area. Avoid prolonged and repeated skin contact. Ground and bond containers when transferring material. Empty containers retain product residue (liquid and vapor) and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks, and flames. Avoid ingestion and inhalation. Do not

pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flame.

Hygiene Measures:

Do not eat, drink, or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Wash contaminated clothing before reuse.

Storage Conditions:

Keep away from heat, sparks, and flame. Store in properly closed containers that are appropriately labeled and in a cool, ventilated area away from incompatible substances, heat and sources of ignition. Keep containers dry and tightly closed to avoid moisture absorption and contamination.

Incompatible Materials: Strong oxidizing agents.

Section 8 : Exposure Controls/Personal Protection

Control Parameters - Glycerin

USA ACGIH TLV	NA
USA ACGIH STEL	NA
USA OSHA PEL	5 mg/m3 TWA respirable fraction
USA OSHA PEL	15 mg/m3 TWA, total particulate

American Conference of Governmental Industrial Hygienists

Threshold Limit Value

Short-Term Exposure Limit

Occupational Safety and Health Administration Permissible Exposure Limit

Milligrams per cubic meter of air

Time-Weighted Average (8 hour)

Engineering Controls

Emergency eye wash stations and safety showers should be available in the immediate area of any potential exposure. Keep concentrations well below lower explosive limits (LEL). Local or general exhaust required when using at elevated temperatures that generate vapors or mists.

Personal Protective Equipment

Eye protection: Wear appropriate protective eyeglasses or chemical splash goggles as described by OSHA 1910.133 or European Standard EN166.

Hand and Skin protection: Gloves and clothing of neoprene, nitrile or PVA to prevent skin contact. Glove suitability is based on workplace condition and usage. Contact glove manufacturer for specific glove selection and breakthrough times.

Respiratory Protection: NIOSH or European Standard EN 149 approved respirator with appropriate canisters (or greater APF supplied-air) if aerosol or mist formation and if above exposure limit; in high vapor concentration or fire-fighting self-contained respirator

Section 9 : Physical and Chemical Properties

Appearance: liquid, clear to amber

Odor: mild grainy

Odor threshold: no available data

Solubility: miscible with water

Vapor Density: 3.17 (Air = 1.0)

pH: apparent 5.9 – 8.3

% Volatiles by weight 1

Boiling Point: > 288 degrees C / range > 550 degrees C

Melting Point: 18-20 degrees C

Vapor Pressure: < 1 mm Hg at 25 degrees C

Evaporation Rate: no available data

LEL / UEL : no available data

Flash Point: \geq 199 degrees C

BTU: 8700

ASH: 7%

Autoignition Temperature: > 260 degrees C

Section 10 : Stability and Reactivity

Reactivity: The product is non-reactive under normal conditions.

Chemical Stability: The material is stable at 70 degrees F, 760 mm Hg pressure

Possibility of hazardous reactions: None under normal processing

Conditions to Avoid: Direct sunlight, high temperature, incompatible materials, open flame, sparks, overheating

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Has not been reported

Section 11 : Toxicological Information

Acute Toxicity: Not expected to be acutely toxic. No long-term effects known.

LD 50 oral	>10,000 mg/kg (1187-2769 mg/kg body weight rabbit)
LD50 dermal	>10,000 mg/kg (rabbit)
LC50 inhalation rat (mg/m3) 1 hr	➤ 570 mg/m3

Skin corrosion/irritation: Prolonged and repeated contact may cause defatting and drying of the skin and may lead to irritation and/or dermatitis

Serious eye damage/irritation: Produces little or no irritation on direct contact

Respiratory or skin sensitization: Excessive inhalation of mist may result in respiratory irritation. Overheating may produce vapors which may cause respiratory irritation, dizziness and nausea.

Germ cell mutagenicity: None known

Carcinogenicity: Not listed

Reproductivity toxicity: None known

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Section 12 : Ecological Information (non-mandatory)

Section 13 : Disposal Considerations (non-mandatory)

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 : Transport Information (non-mandatory)

Section 15 : Regulatory Information (non-mandatory)

Section 16: Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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