

Safety Data Sheet (SDS):

Fatty Acids

Version 1.1

Revision Date 09/18/2015

Section 1 : Identification

- Product Identifier: Fatty Acids
- 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: Surfactant

Section 2 : Hazard(s) Identification

GHS Classification:

- **Health hazards** Serious eye damage/eye irritation Category 2B
- Reproductive toxicity Category 1B
- **Environmental hazards** Not classified.



- **OSHA defined hazards** Not classified.
- **Label elements**
- **Signal word** Warning
- **Hazard statement** Causes eye irritation.
- **Hazard(s) not otherwise classified (HNOC)**
Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
- **Supplemental information** Not applicable.
- Other Hazards not Contributing to the Classification: None
- Unknown Acute Toxicity: Not applicable
- Potential Health Effects:

Eye – Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

Skin – May cause skin irritation

Ingestion – May cause irritation of the digestive tract. May cause kidney damage.

Inhalation – May cause respiratory tract irritation.

Section 3 : Composition/Information on Ingredients

CAS #	CHEMICAL NAME	WEIGHT (%)	EINECS #
56-81-5	Glycerin	1-10	200-289-5
67-56-1	Methanol	< 0.5	200-659-6
124-41-4	Ash	3-7	NA
67762-38-3	Fatty Acid	85-100	263-130-9
7732-18-5	Water	1-5	215-185-5

Synonyms None known

Formula R-COOH

Molecular Weight varies

EC-No. 292-966-7

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: Get medical aid. 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. Cool containers with flooding quantities of water until well after fire is out.

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

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. Containers may explode if heated.
- Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.
- 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

Auto Ignition Temperature: 455.0 degrees C (851.0 degrees F)

Section 6 : Accidental Release Measures

Personal Precautions: Keep public away. Isolate and evacuate area. Shut off source if safe to do so.

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

Methods and Materials for containment: Absorb material with inert material (i.e. sand or dry earth), then place into a chemical waste container. Remove all sources of ignition. Provide ventilation. A vapor

suppressing foam may be used to minimize vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

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

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 ingest or inhale. 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.

Incompatible Materials: Steel, iron.

Section 8 : Exposure Controls/Personal Protection

Control Parameters – Fatty Acids

USA ACGIH TLV	NA
USA ACGIH STEL	NA
USA OSHA PEL	NA

American Conference of Governmental Industrial Hygienists

Threshold Limit Value

Short-Term Exposure Limit

Occupational Safety and Health Administration

Permissible Exposure Limit

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. Wear appropriate protective clothing to prevent skin exposure.

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, brown

Odor: mild

Odor threshold: no available data

Solubility: not miscible with water

Vapor Density: 1.1 (Air = 1.0)

pH: apparent 5 - 6

% Volatiles by weight 1

Boiling Point: 286 degrees C

Melting Point: not available data

Evaporation Rate: no available data

LEL / UEL : no available data

Flash Point: \geq 200 degrees C

ASH: 7%

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

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

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	>5,000 mg/kg (1187-2769 mg/kg body weight rabbit)
LD50 dermal	>2,000 mg/kg (rabbit)
LC50 inhalation mouse (ppm) 1 hr	➤ 2693 ppm

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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