



Section 1. Product and Company Identification

Product Name Glyceryl Stearate
CAS Number

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL

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All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

No need for classification according to GHS criteria for this product

GHS Label Elements

Signal word: None

Hazard and precautionary statements

None

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product: No need for classification according to GHS criteria for this product.

Label elements: The product does not require a hazard warning label in accordance with GHS criteria.

Section 3. Composition / Information on Ingredients

Common Name Glyceryl Stearate

Synonym(s) Combination of: Glycerides, C14-18 mono- and di-; Potassium Stearate.

COMPONENT	CAS NUMBER	CONCENTRATION
Potassium Hydroxide	1310-58-3	0.3 – 1.0%
Glycerol	56-81-5	5.0 – 7.0%
Octadecanoic Acid, Potassium Salt	593-29-3	20.0 – 25.0%

Section 4. First Aid Measures

Description of first aid measures

General advice: If adverse health effects develop seek medical attention.

If inhaled: not relevant. Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.

If on skin: After contact with skin, wash immediately with plenty of water. After contact with skin, wash immediately with plenty of water and soap. If adverse health effects develop seek medical attention.

If in eyes: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical attention if necessary. Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. If adverse health effects develop seek medical attention.

If swallowed: Rinse mouth and then drink 200-300 ml of water. Rinse mouth immediately with water. Do not induce vomiting. If vomiting occurs naturally, keep airway clear. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician Treatment: Treat symptomatically.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons: Carbon dioxide

Special hazards arising from the substance or mixture: Hazards during firefighting: harmful vapors, evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

Section 6. Accidental Release Measures

Further accidental release measures: Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.



Personal precautions, protective equipment and emergency procedures: Use personal protective clothing. Avoid dust formation.

Environmental precautions: Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up: For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Dispose of absorbed material in accordance with regulations. Non-sparking tools should be used.

Section 7. Handling and Storage

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion: Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

Conditions for safe storage, including any incompatibilities: No applicable information available.

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. Please refer to the product specific data sheet for further information.

Storage stability: Storage temperature: ≤ 30 °C Protect against moisture.

Section 8. Exposure Controls / Personal Protection

Components with occupational exposure limits

glycerol	OSHA PEL	PEL 15 mg/m ³ Total dust ; PEL 5 mg/m ³ Respirable fraction ; TWA value 10 mg/m ³ Total dust ; TWA value 5 mg/m ³ Respirable fraction ;
Octadecanoic acid, potassium salt	ACGIH TLV	TWA value 10 mg/m ³ ;

Advice on system design: If dust formation caused by handling cannot be avoided, dust mitigation equipment for plants may be necessary. Ensure adequate ventilation. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust

collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment

Respiratory protection: Breathing protection if dusts are formed.

Hand protection: Rubber gloves

Eye protection: Tightly fitting safety goggles (chemical goggles).

Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Form: granules

Odor: almost odorless

Odor threshold: not applicable

Color: yellowish

pH value: not applicable

melting range: 56 - 61 °C

Sublimation point: No applicable information available.

Flash point: > 190.0 °C

Flammability: not flammable

Flammability of Aerosol Products: not applicable, the product does not form flammable aerosoles

Lower explosion limit: For solids not relevant for classification and labelling.

Upper explosion limit: For solids not relevant for classification and labelling.

Autoignition: not determined

Vapor pressure: not applicable

Density: 0.91 - 0.93 g/cm³ (60 °C)

Bulk density: approx. 480 - 580 kg/m³

Vapor density: not applicable

Partitioning coefficient n-octanol/water (log Pow): not determined

Self-ignition temperature: not applicable

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic: 56 mPa.s (70 °C)

Viscosity, kinematic: 61 mm²/s (70 °C)

Solubility in water: emulsifiable

Solubility (quantitative): No applicable information available.

Solubility (qualitative): emulsifiable solvent(s): distilled water,

Evaporation rate: The product is a non-volatile solid.



Other Information: If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.

Section 10. Stability and Reactivity

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated

Oxidizing properties: not fire-propagating

Chemical stability: The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions: Reacts with oxidizing agents. Reacts with bases. Reacts with strong acids.

Incompatible materials: No substances known that should be avoided.

Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Section 11. Toxicological Information

Primary routes of exposure: Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases. Primary routes of entry Dermal contact. Inhalation. Ingestion.

Acute Toxicity/Effects: Acute toxicity Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral: Type of value LD50; Value > 2,000 mg/kg

Inhalation: No applicable information available.

Dermal: No applicable information available.

Assessment other acute effects: Assessment of STOT single: Based on available Data, the classification criteria are not met.

Irritation / corrosion: Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

Information on: Potassium hydroxide: Assessment of irritating effects: Highly corrosive! Damages skin and eyes.

Sensitization: Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

Aspiration Hazard: No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity: Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Genetic toxicity: Assessment of mutagenicity; The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity: Assessment of carcinogenicity; The chemical structure does not suggest a specific alert for such an effect.



Reproductive toxicity: Assessment of reproduction toxicity; The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity: Assessment of teratogenicity; No data was available concerning toxicity to development.

Other Information: The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure: No significant symptoms are expected due to the non-classification of the product.

Section 12. Ecological Information

Aquatic toxicity

Assessment of aquatic toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish: LC50 > 100 mg/l

Microorganisms/Effect on activated sludge: Toxicity to microorganisms EC0: > 100 mg/l

Persistence and degradability: Assessment biodegradation and elimination (H2O) Readily biodegradable (according to OECD criteria).

Bioaccumulative potential: Assessment bioaccumulation potential No data available.

Mobility in soil: Assessment transport between environmental compartments not applicable

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land transport

USDOT: Not classified as a dangerous good under transport regulations

Sea transport

IMDG: Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

Section 15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

Cosmetic TSCA, US released / exempt

EPCRA 311/312 (Hazard categories): Not Hazardous;

CERCLA RQ CAS Number Chemical name

1000 LBS 1310-58-3 Potassium hydroxide



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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