



## MATERIAL SAFETY DATA SHEET

### GLYCEROL MONOSTEARATE

#### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name	Glycerin Mono-and Distearate
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#### COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	Glycerin Mono-and Distearate
CAS#	123-94-4
Content	-

#### HAZARDS IDENTIFICATION

Hazard Class	-
Routes	Skin contact, eye contact, ingestion
Potential Health Effects	Hazardous in case of skin contact , of eye contact, of ingestion.
Potential Environment Effects	Hazardous , cause water pollution.
Explosion Hazards	Flammable at high temperature

#### FIRST-AID MEASURES

Skin Contact	In case of contact, immediately flush skin with plenty of water.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	Drink plenty of water. Get medical attention if symptoms appear.



#### FIRE-FIGHTING MEASURES

Flammability of the Product	Flammable.
Products of Combustion	These products are carbon oxides (CO, CO <sub>2</sub> ).
Fire extinguishing method	Remove it from fire ground and use extinguisher immediately. If container color changes or safety relief device sounds, leave from fire ground immediately.
Extinguisher	Use dry chemical foam or powder, CO <sub>2</sub> , sandy soil.

#### ACCIDENTAL RELEASE MEASURES

Spill	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. If the product is in its solid form: Use a shovel to put the material into a convenient waste disposal container. Do not get water inside container. Absorb with an inert material and put the spilled material in an appropriate waste disposal.
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#### HANDLING AND STORAGE

##### Precautions:

Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, metals, acids, alkalis.

##### Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame)



#### EXPOSURE CONTROLS/PERSONAL PROTECTION

Detect methods	-
Engineering Controls	Use process enclosures, local exhaust ventilation.
Exposure Limits	MAC(mg/m <sup>3</sup> ): — TWA(mg/m <sup>3</sup> ): — STEL(mg/m <sup>3</sup> ): —
Personal Protection	Splash goggles. Synthetic apron. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

#### PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	Waxy solid
Odor	Odorlessness
Color	White
Taste	Not available
pH(1%soln/water)	Not available
Specific Gravity (Water=1)	0.97
Boiling Point (°C)	350-360
Melting Point (°C)	58-60
Vapor Pressure	Not available
Vapor Density	Not available
Critical Temperature (°C)	Not available
Solubility	Soluble in hot alcohol, petroleum and hydrocarbon.



#### STABILITY AND REACTIVITY

Stability	Stable
Instability Temperature	Not available.
Incompatibility with Various Substances	Reactive with strong acid, alkali and strong oxidizing agent.
Conditions of Instability	Heat, flame
Polymerization	Not polymerize
Cleavage Product	CO, CO <sub>2</sub>

#### TOXICOLOGICAL INFORMATION

Toxicity to Animals	Not available
Subacute and Chronic Toxicity	Not available
Irritation Test	Not available
Sensitization Test	Not available
Mutagenicity Test	Not available
Teratogenicity Test	Not available
Carcinogenicity Test	Not available
Other Test	Not available

#### ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Products of Biodegradation	Not available
Bio accumulation	Not available
Other Ecotoxicity	Harmful to the environment, cause water pollution.



#### DISPOSAL

Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations

#### TRANSPORT INFORMATION

Code of Dangerous Goods

Not available

UN Number

Not available

Packaging Category

Not available

Packaging Method

Not available

Special Provisions for Transport

Not available

#### REGULATORY INFORMATION

Regulatory

No specific information

#### OTHER INFORMATION

References

Not available

Other Special Considerations

Not available

Created

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Last Updated

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