

Trihydroxystearin

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 25-Sep-2024
Supersedes: 30-Aug-2018

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Trihydroxystearin	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Trihydroxystearin	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	139-44-6	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Solid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

OSHA Regulatory Status: This product is considered hazardous as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

Signal Word: **WARNING**

Hazard Pictograms: None.

Hazard Statements: May form combustible dust concentrations in air.

Precautionary Statements: None.

Potential Health Hazards: Eyes: May be an irritant.
Inhalation: May be an irritant.
Skin: May be an irritant.
Ingestion: May cause nausea, vomiting, or diarrhea.

HMIS Ratings:

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Trihydroxystearin	139-44-6	100%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists, consult a specialist.

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.

Skin: Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this SDS or label.

General Notes: Get medical attention immediately if symptoms occur. Most important symptoms and effects include difficulty breathing. Treat symptomatically. Show this safety data sheet to the doctor in attendance. Physicians should avoid contact with skin and eyes.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperatures. Use appropriate media (carbon dioxide (CO₂), dry powder, dry sand, alcohol-resistant foam, water spray, or fog) for surrounding environment and adjacent fire. Do not use straight/direct water stream.

Special protective equipment & precautions for firefighters: Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an

Flash Points:	ignition source is a potential dust explosion hazard.
Specific hazards arising from the chemical:	No data available. Hazardous combustion products include carbon monoxide and carbon dioxide (CO ₂). Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Do not create a powder cloud by using a brush or compressed air. Take precautionary measures against static discharges. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Take precautionary measures against static discharges. Remove all sources of ignition. Avoid contact with skin, eyes, and clothing. Avoid breathing dust, fume, gas, mist, vapors, spray. Wash hands thoroughly after. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep product and empty container away from heat and sources of ignition. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Trihydroxystearin	10 mg/m ³ (inhalable particles)	TWA	OSHA
	5 mg/m ³ (respirable particles)	TWA	ACGIH
	10 mg/m ³ (inhalable particles)	TWA	ACGIH
	3 mg/m ³ (respirable particles)	TWA	ACGIH

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes:	Wear safety glasses.
Inhalation:	Use only with adequate ventilation. Wear effective dust mask.
Body:	Wear protective neoprene gloves. Choose body protection in relation to its type, to the concentration and number of dangerous substances, and to the specific work-place.
Other:	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid (Powder)	Vapor Pressure:	No data available
Odor:	Odorless	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	White to light yellow	Flammability:	No data available
Molecular Weight:	No data available	Explosive Limit:	LEL: 40-45 g/m ³
pH:	No data available	Flash Point:	No data available
Boiling Point:	No data available	Specific Gravity:	No data available
Melting/Freezing Point:	No data available	Water Solubility:	Insoluble

Density:	1.02 g/cm ³	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	Dust may form explosive mixture in air
Oxidizing Properties:	No data available	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Heat, flames and sparks.
Incompatible Materials:	Oxidizing agent.
Hazardous Decomposition Products:	None reasonably foreseeable.
Possible Hazardous Reactions:	None known.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	No data available.
Eyes:	No data available.
Inhalation:	No data available.
Ingestion:	(Rat, oral) Component: Similar Product; LD50: > 5000 mg/kg. (Rat, oral) Component: Vegetable oil derivative; LD50: 10 g/kg.
Carcinogenicity:	There are no known carcinogenic chemicals in this product.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	None known.
Reproductive Toxicity:	No data available.
Sensitization:	No data available.
Chronic Toxicity:	No data is available on the product itself.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	The environmental impact of this product has not been fully investigated. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities.
Aquatic Vertebrate:	(Danio rerio) Component: Vegetable oil derivative; LC50: >10000 mg/L; 96 hours. (Brachydanio rerio) Component: Vegetable oil derivative; LC50: 10000 mg/L; 96 hours.
Aquatic Invertebrate:	(Daphnia Magna) Component: Vegetable oil derivative; EL50: > 100 mg/L; 48 hours.
Terrestrial:	(Algae) Component: Vegetable oil derivative; EC50: > 100 mg/L, 72 hours.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Do not contaminate ponds, waterways, or ditches with chemical or used container. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
Product Containers:	Do not contaminate ponds, waterways, or ditches with chemical or used container. Empty containers should be taken to an approved waste handling site for recycling or disposal. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated.
IATA (International Air Transport Association):	Not regulated.
ICAO (International Civil Aviation Organization):	No data available.
ADR/RID (Surface Shipments in Europe):	Not regulated.

15 REGULATORY INFORMATION

TSCA Inventory Status:	Complies.
TSCA Section 12(b):	This product does not contain chemicals that are required to be notified under the TSCA 12(b) Export notification.
SARA 313:	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
SARA 311/312 Hazards:	None.
Clean Water Act (CWA):	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
California Prop. 65:	This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.
Canada (DSL):	Complies.
EU (EINECS):	Complies.
EU (REACH):	Complies. For purchases from Elementis EU legal entities, all ingredients are currently registered or exempt under REACH. For purchases from non-EU Elementis legal entities with the intention to export into the EU, please contact your Elementis representative/local office.
China (IECSC):	Complies.
Australia (AICS):	Complies.
Japan (ENCS):	Complies.
Philippines (PICCS):	Complies.
Korea (KECL):	Complies.
Taiwan (NECI):	Complies.
New Zealand (NZIoC):	Complies.

16 OTHER INFORMATION

Revision Date:	25-Sep-2024
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.