

Trihydroxystearin

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

Revision Date: 03-12-2019
Supersedes: 01-26-2017

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Trihydroxystearin	Distributor:	XI'AN AOGU BIOTECH CO.,LTD
Synonyms:	1,2,3-propanetriyl tris(12-hydroxy-octa-decanoate)	Address:	Room 606,Block B3,Jinye Times, Yanta District,Xi'an Shaanxi 710065 China
INCI Name:	Trihydroxystearin	Phone / Fax:	0086-29-89121514
CAS Number:	139-44-6	Web:	www.aogubio.com
Formula:			
Product Form:	Solid		
Product Use:	Cosmetic use	Emergency Telephone Number:	0086-18091843361 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified												
GHS Labeling:	Not classified												
GHS Hazard Pictograms:	None												
GHS Hazard Statements:	None												
GHS Precautionary Statements:	None												
Potential Health Hazards:	Eyes: May be irritant. Inhalation: Not expected to be irritant. Skin: Not irritant. Ingestion: May be irritant.												
NFPA Ratings (704):	<table border="0"> <tr> <td style="background-color: #0000FF; color: white;">Health</td> <td style="background-color: #0000FF; color: white;">1</td> <td>Slight</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="background-color: #FF0000; color: white;">1</td> <td>Slight</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="background-color: #FFFF00; color: black;">0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>n/a</td> <td></td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	n/a	
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: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Give one or two glasses of water to drink. Do not give sodium bicarbonate, fruit juices or vinegar. If gastrointestinal symptoms develop, consult medical personnel.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use water spray, dry chemical, foam, or carbon dioxide. Water may be ineffective

Special protective equipment & precautions for firefighters: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Flash Points: Not available

Specific hazards arising from the chemical: None known

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up: Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Surface may become slippery after spillage. Use vacuum or broom and remove to disposal container. If damp, flush with water.

7 HANDLING & STORAGE

Precautions for safe handling: Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Conditions for safe storage, incl. any incompatibilities: Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Trihydroxystearin	Not determined		

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: Safety glasses, goggles, or face shield recommended for eye protection.

Inhalation: Wear NIOSH approved respiratory protection as appropriate to operating conditioners.

Body: Gloves recommended to prevent prolonged skin contact.

Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Powder	Saponification Value:	176 - 182
Odor:	Characteristic	Vapor Density:	Not available
Taste:	Not available	Evaporation Rate:	Not available
Color:	Off-white	Flammability:	Not available
Molecular Weight:	Not available	Upper/lower Explosive Limit:	Not available
pH (1% sol. in water)	Not available	Solubility:	Insoluble in water
Boiling Point:	Not applicable	Flash Point:	Not available
Melting Point:	85° - 88°C	Specific Gravity:	Not available

10 STABILITY AND REACTIVITY

Reactivity: Product is stable

Chemical Stability: Stable under normal conditions of storage and handling.

Hazardous Polymerization: Not likely to occur

Conditions to Avoid: Not available

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: None known

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral toxicity (LD50 oral/rat): >5000 mg/kg
Skin:	Not irritant (Test method: 16 CFR 1500.42)
Eyes:	Mildly irritant in rabbit's eyes (Test method: 16 CFR 1500.42)
Respiratory:	Not expected to irritant
Ingestion:	May be irritant
Human Repeat Insult Patch Test:	Under the conditions of the test the material elicited no dermal reactions to the skin of the human volunteers (48 h). The material is therefore considered not to be a primary irritant.
Carcinogenicity:	Not available
Teratogenicity:	Not available
Germ Cell Mutagenicity:	The substance is not mutagenic to <i>Salmonella typhimurium</i> under the test conditions when tested in ethanol to the limits of its solubility
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	Not available
Aquatic Invertebrate:	Not available
Terrestrial:	Not available
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
Product Containers:	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):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated
IATA (International Air Transport Association):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	All components listed
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 03-12-2019

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.