Sorbitan Stearate

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

Revision Date: 13-May-2024
Supersedes: 17-Jul-2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Sorbitan Stearate
Synonyms: No data available
INCI Name: Sorbitan Stearate
CAS Number: 1338-41-6
Formula: No data available
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified.
GHS Labeling: Not a dangerous substance according to GHS.
GHS Hazard Pictograms: None.
GHS Hazard Statements: None.
GHS Precautionary Statements: None.
Potential Health Hazards: Eyes: Not expected to be an irritant.
Inhalation: No specific hazards known.
Skin: Not expected to be an irritant.
Ingestion: No specific hazards known.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Sorbitan Stearate	1338-41-6	100%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Inhalation: Remove to fresh air. Seek medical attention if necessary.
Skin: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Seek medical attention if necessary.
Ingestion: Clean mouth with water and drink afterwards plenty of water. Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if necessary.
Acute/Delayed Symptoms: Asthma-like and/ or skin allergy-like symptoms. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for adjacent fire. Do not use a heavy water stream.
Special protective equipment & precautions for firefighters: Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Flash Points: 437°F (225°C)
Specific hazards arising from the Thermal decomposition can lead to release of irritating gases and vapors such as carbon

chemical: monoxide/dioxide. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Ensure adequate ventilation. 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: Place in approved waste containers and dispose of in accordance with all local and federal rules and regulations. Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up: Prevent further leakage or spillage if safe to do so. Take up mechanically, placing in appropriate containers for disposal. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Ensure adequate ventilation. Avoid formation of dust. 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 container tightly closed in a dry and well-ventilated place at 77ºF (25ºC). Keep away from heat and store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Sorbitan Stearate	None identified	Not available	Not available

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 tight sealing safety glasses.

Inhalation: None required under normal condition of use. In case of insufficient ventilation, wear suitable respiratory equipment.

Body: Wear protective gloves and long-sleeved clothing.

Other: Ensure adequate ventilation, especially in confined areas. 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 flake or pastille	**Vapor Pressure at 25˚C:**	< 0.0001 Pa
Odor:	Mild characteristic	**Vapor Density:**	No data available
Odor Threshold:	Not determined	**Evaporation Rate:**	No data available
Color:	Off white to tan	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH:	No data available	**Flash Point:**	437˚F (225˚C)
Boiling Point:	>572˚F (300˚C)	**Specific Gravity:**	No data available
Melting Point:	No data available	**Water Solubility:**	Dispersible
Relative Density:	No data available	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	Decomposition probable at ca. 1013 hPa
Dynamic Viscosity:	Not determined	**Explosive Properties:**	None
Oxidizing Properties:	None.	**Metal Corrosion:**	No data available

10 STABILITY AND REACTIVITY

Reactivity: No specific hazard under normal conditions of use, to our knowledge.

Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Heat, flames, sparks, direct sunlight.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	None under normal use conditions.
Possible Hazardous Reactions:	None under normal processing.
Explosion Data:	No known sensitivity to mechanical impact of sensitivity to static discharge.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Not classified (Based on available data, the classification criteria are not met).
Eyes:	Not classified (Based on available data, the classification criteria are not met).
Inhalation:	Not classified (Based on available data, the classification criteria are not met).
Ingestion:	Not classified (Based on available data, the classification criteria are not met). (Rat) Oral LD50: = 31 g/kg.
Carcinogenicity:	Not expected to be a carcinogenic.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No adverse effect observed (negative). All available and reliable in vitro and in vivo studies conducted with Sorbitan fatty esters category members and with the hydrolysis products revealed no effects on genetic toxicity.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No known hazard.
Reproductive Toxicity:	NOAEL oral (fertility): ≥1000 mg/kg bw/day (ECHA). No adverse effect observed. All available and reliable studies conducted with Sorbitan fatty acid esters category members and with the hydrolysis products revealed no effects on developmental toxicity.
Serious Eye Damage/Irritation:	Not irritating (OECD 405, 1975, ECHA).
Skin Corrosion/Irritation:	Not a skin irritant.
Sensitization:	Not a skin sensitizer.
Aspiration Hazard:	No known hazard.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No effects up to the limit of water solubility in the long-term toxicity test with Daphnia magna (OECD 211). Based on the available information, i.e. very low toxicity to earthworm and to aquatic organisms, rapid metabolism, and ready biodegradation, short- and long-term effects on terrestrial organisms are very unlikely.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	All members of the Sorbitan esters category are readily biodegradable (OECD 301 C) and are thus expected to be rapidly removed from the terrestrial environment by soil microorganisms.
Bioaccumulative Potential:	Due to the low water solubility, rapid environmental biodegradation, and metabolism via enzymatic hydrolysis of the Sorbitan esters category members, a relevant update and bioaccumulation in aquatic organisms is not expected.
Mobility in Soil:	Such aquatic data can be used as an indicator for potential effects on soil organisms (ECHA, 2012) and in the case of sorbitan esters effects are not to be expected.
PBT and vPvB Assessment:	The substance is not PBT / vPvB.
Other Adverse Effects:	None known.

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:	Empty remaining contents. 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):	Not regulated.

15 REGULATORY INFORMATION

TSCA Inventory Status:	Complies.
Canada (DSL):	Complies.
EU (EINECS):	Complies.
China (IECSC):	Complies.
Australia (AICS):	Complies.
Taiwan (TCSI)	No data available.
Japan (ENCS):	Complies.
Philippines (PICCS):	Complies.
Korea (KECL):	Complies.
New Zealand:	No data available.

16 OTHER INFORMATION

Revision Date:	13-May-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 suitableness & completeness of such information for his own particular use.