

# SORBITAN STEARATE

## Material Safety Data Sheet (MSDS)

### 1. PRODUCT IDENTIFICATION

Product Name: sorbitan stearate  
INCI Name: sorbitan monostearate  
Synonyms: none  
CAS Number: 1338-41-6  
EINECS Number: 215-664-9  
Origin: vegetable-derived

Eye Contact: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.  
Skin Contact: Not expected to be a primary skin irritant; but prolonged exposure may cause irritations  
Ingestion: No specific hazard known

### 2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: 55°C (131°F)  
Boiling Point: 137°C (279°F)  
Vapor Pressure, mmHg: not available  
Vapor Density, Air= 1: 0.97 g/cm<sup>3</sup>  
Evaporation Rate: not available  
Viscosity: not available  
Solubility in water: insoluble  
pH Value: approx. 6 (10% solution)  
Appearance & Odor: pale-yellow pellets, bland odor

### 8. 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.  
Skin: Wash exposed areas of the body with soap and water.  
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.  
Ingestion: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel.

### 3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions  
Incompatibility: none known  
Hazardous Decomposition: none known  
Hazardous Polymerisation: will not occur

### 9. FIRE FIGHTING MEASURES

Flammability Limits: None known  
Unusual Fire Hazard: None known  
Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### 4. HANDLING & STORAGE

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

### 10. TOXICOLOGICAL INFORMATION

LD50: > 15.9 g/kg (oral, rats)  
Decomposition: > 80 % (OECD 302B) as determined for this class of product.  
Ecological Toxicity: LC/EC/IC50 > 10 mg/l (CESIO guidelines)

### 5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: No specific protective measures necessary.  
Protective Clothing: Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield recommended for eye protection.  
Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

### 12. TRANSPORT INFORMATION

DOT Shipping Name / Hazard Class: Not Restricted  
ADR/ RIC Code / Hazard Class: Not Restricted  
Sea Transport IMDG Code / Hazard Class: Not Restricted  
Air Transport IATA Code / Hazard Class: Not Restricted

### 7. HAZARDS IDENTIFICATION

General: No specific hazard known.  
Inhalation: No specific hazard known.

### 13. 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.

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