

## Stearic Acid


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

Revision Date: 15-Nov-2022  
Supersedes: 01-Jul-2021

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Stearic Acid	<b>Distributor:</b>	MakingCosmetics.com Inc. 10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>Synonyms:</b>	octadecanoic acid, heptadecane-carboxylic acid	<b>Address:</b>	
<b>INCI Name:</b>	Stearic Acid	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	57-11-4	<b>Web:</b>	www.makingcosmetics.com
<b>Formula:</b>	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Solid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified												
<b>GHS Labeling:</b>	Not classified												
<b>GHS Hazard Pictograms:</b>													
<b>GHS Hazard Statements:</b>	H319: Causes serious eye irritation H500: May form combustible dust concentrations in air												
<b>GHS Precautionary Statements:</b>	None												
<b>Potential Health Hazards:</b>	Eyes: May be irritant. Inhalation: Not expected to be irritant. Skin: May be irritant. Ingestion: May be irritant.												
<b>NFPA Ratings (704):</b>	<table border="0"> <tr> <td>Health</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Flammability</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Reactivity</td> <td>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>
Stearic Acid	57-11-4	100%	284.4772 g/mol

### 4 FIRST AID MEASURES

<b>Eyes:</b>	May cause slight irritation. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists get medical attention.
<b>Inhalation:</b>	None expected under conditions of normal use. If irritation occurs, move to fresh air and ventilate suspected area. Call a physician if symptoms develop or persist.
<b>Skin:</b>	Prolonged contact may cause slight irritation. Removed contaminate clothing. Wash off skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.
<b>Ingestion:</b>	If a large quantity has been ingested: nausea, vomiting, and diarrhea may occur. Rinse mouth, Do NOT induce vomiting.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	Sand, CO <sub>2</sub> , Dry chemical. Do NOT use a water jet.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus.
<b>Flash Points:</b>	392 °F (200 °C)
<b>Specific hazards arising from the</b>	Will burn at high temperatures. Liquid product may have temperature exceeding 50 °C / 122 °F.

chemical:

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:**  
**Environmental precautions:**  
**Methods and material for containment and cleaning up:**

See section 8 for recommendations on the use of personal protective equipment.  
 Prevent entry into waterways, sewers, basements or confined areas.  
 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:**  
**Conditions for safe storage, incl. any incompatibilities:**

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again leaving work.  
 Avoid contact with strong oxidizing agents. Keep away from heat and direct sunlight. Avoid extreme temperatures. 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>
Stearic Acid	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 conditions.  
**Body:** Gloves recommended to prevent prolonged skin contact.  
**Other:** Emergency eye wash fountains and safety showers should be provided. 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

<b>Appearance, Physical State:</b>	Waxy solid (flakes, beads, powder)	<b>Vapor Pressure:</b>	<1 mmHg at 131°C; 5.06E <sup>-5</sup> hPa at 250°C
<b>Odor:</b>	Oil like odor	<b>Vapor Density:</b>	Not available
<b>Taste:</b>	Not available	<b>Viscosity</b>	8.04 mPa.s at 65°C (dynamic)
<b>Color:</b>	Pale yellow	<b>Partition Coefficient:</b>	Log Pow: 7.05-8.23 (n-octanol/water)
<b>Molecular Weight:</b>	284.4772 g/mol	<b>Upper/lower Explosive Limit:</b>	Not available
<b>pH (1% sol. in water)</b>	Not available	<b>Solubility:</b>	Insoluble in water
<b>Boiling Point:</b>	>300°C (572°F)	<b>Flash Point:</b>	>200°C (392°F)
<b>Melting/Freezing Point:</b>	55-60°C (131-140°F)	<b>Specific Gravity:</b>	0.85 g/mL at 75°C

## 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:** Avoid contact with strong oxidizing agents. Keep away from heat and direct sunlight. Avoid extreme temperatures.  
**Hazardous Decomposition Products:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Acute oral toxicity (LD50): Not available
<b>Skin:</b>	>2,000 mg/kg (rabbit). Prolonged contact may cause skin irritation.
<b>Eyes:</b>	May cause sight irritation.
<b>Respiratory:</b>	May cause mild irritation.
<b>Ingestion:</b>	>5,00 mg/kg (rat). >10 g.kg (rat). If a large quantity has been ingested: nausea, vomiting, and diarrhea may occur.
<b>Carcinogenicity:</b>	Not classified as a carcinogen.
<b>Teratogenicity:</b>	Not available
<b>Germ Cell Mutagenicity:</b>	Not available
<b>Embryotoxicity:</b>	Not available
<b>Specific Target Organ Toxicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>Respiratory/Skin Sensitization:</b>	Not available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Avoid release to the environment.
<b>Aquatic Vertebrate:</b>	Not available
<b>Aquatic Invertebrate:</b>	Not available
<b>Terrestrial:</b>	Not available
<b>Persistence and Degradability:</b>	Easily biodegradable
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available
<b>PBT and vPvB Assessment:</b>	Not available
<b>Other Adverse Effects:</b>	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

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated
<b>IATA (International Air Transport Association):</b>	Not regulated
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated
<b>Harmonization Code:</b>	2915700120

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Listed as stearic acid
<b>DSCL (EEC):</b>	This product is not classified according to the EU regulations. Not applicable.
<b>WHMIS (Canada):</b>	Not controlled under WHMIS (Canada)

## 16 OTHER INFORMATION

<b>Revision Date:</b>	15-Nov-2022
<b>Compliance:</b>	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.