

## Palmitic Acid

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

Revision Date: 10-31-2018  
Supersedes: None

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Palmitic Acid  
**Synonyms:**  
**INCI Name:** Palmitic Acid  
**CAS Number:** 57-10-3  
**Formula:** Not available  
**Product Form:** Solid  
**Product Use:** Cosmetic use

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

**Emergency Telephone Number:** 1-800-424-9300  
(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: May be irritant.  
Ingestion: May be irritant.

**NFPA Ratings (704):**

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>
Palmitic Acid	57-10-3	90-95%	Not available
Myristic Acid	544-63-9	1-5%	Not available
Stearic Acid	57-11-4	5-9%	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

<p><b>Personal precautions, protective equipment &amp; emergency procedures:</b></p> <p><b>Environmental precautions:</b></p> <p><b>Methods and material for containment and cleaning up:</b></p>	<p>See section 8 for recommendations on the use of personal protective equipment.</p> <p>Prevent entry into waterways, sewers, basements or confined areas.</p> <p>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.</p>
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## 7 HANDLING & STORAGE

<p><b>Precautions for safe handling:</b></p> <p><b>Conditions for safe storage, incl. any incompatibilities:</b></p>	<p>Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.</p> <p>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.</p>
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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Palmitic Acid	15mg/m <sup>3</sup> total dust, 5mg/m <sup>3</sup> respirable fraction for nuisance dusts. 10mg/m <sup>3</sup> total dust containing no asbestos and <1% crystalline silica for Particulates Not Otherwise classified (PNOC)		

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:

<b>Eyes:</b>	Safety glasses, goggles, or face shield recommended for eye protection.
<b>Inhalation:</b>	Wear NIOSH approved respiratory protection as appropriate to operating conditioners.
<b>Body:</b>	Gloves recommended to prevent prolonged skin contact.
<b>Other:</b>	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

<p><b>Appearance</b></p> <p><b>Odor:</b></p> <p><b>Taste:</b></p> <p><b>Color:</b></p> <p><b>Molecular Weight:</b></p> <p><b>pH (1% sol. in water)</b></p> <p><b>Boiling Point:</b></p>	<p>White crystals or flakes</p> <p>Slight, characteristic odor</p> <p>Not available</p> <p>White</p> <p>Not available</p> <p>Not available</p> <p>215 °C (419 °F) at 15mmHg</p>	<p><b>Vapor Pressure:</b></p> <p><b>Vapor Density:</b></p> <p><b>Evaporation Rate:</b></p> <p><b>Auto-Ignition:</b></p> <p><b>Density:</b></p> <p><b>Specific Gravity:</b></p> <p><b>Melting Point:</b></p> <p><b>Solubility:</b></p>	<p>&lt;1 mmHg</p> <p>Not available</p> <p>Not available</p> <p>&gt;250°C</p> <p>0.85 g/ml</p> <p>0.853</p> <p>63 °C (145 °F)</p> <p>Insoluble in water, soluble in ethanol, ether and most organic solvents</p>
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## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Product is stable
<b>Chemical Stability:</b>	Stable under normal conditions of storage and handling.
<b>Hazardous Polymerization:</b>	Not likely to occur
<b>Conditions to Avoid:</b>	Not available
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	None known

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Acute oral toxicity (LD50): Not available
<b>Skin:</b>	May be irritant
<b>Eyes:</b>	May be irritant
<b>Respiratory:</b>	No information available
<b>Ingestion:</b>	No information available
<b>Carcinogenicity:</b>	Not available
<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>	
<b>Aquatic Vertebrate:</b>	Not available
<b>Aquatic Invertebrate:</b>	Not available
<b>Terrestrial:</b>	Not available
<b>Persistence and Degradability:</b>	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

<b>Waste Residues:</b>	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.
<b>Product Containers:</b>	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

## 15 REGULATORY INFORMATION

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<b>TSCA Inventory Status:</b>	Listed
<b>DSCL (EEC):</b>	Listed
<b>WHMIS (Canada):</b>	Listed

## 16 OTHER INFORMATION

**Revision Date:** 10-31-2018

**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.