

Palmitic Acid

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

Revision Date: 20-Jun-2024
Supersedes: 01-Jul-2021

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Palmitic Acid	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Palmitic Acid, Stearic Acid, Myristic Acid	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	57-10-3, 57-11-4, 544-63-9	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Solid		
Product Use:	Cosmetic use	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: Product dust may cause irritation.
 Inhalation: No hazards expected under normal conditions of use.
 Skin: Not expected to be an irritant.
 Ingestion: May cause nausea, vomiting, or diarrhea.

NFPA Ratings (704):

Health	0	Minimal
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	56-81-5	90-95%	Not Available
Stearic Acid	57-11-4	5-9%	Not Available
Myristic Acid	544-63-9	1-5%	Not Available

4 FIRST AID MEASURES

Eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

Inhalation: Upon inhalation of aerosol, vapor, and/or dust, take the patient into the fresh air. If there is difficulty in breathing, medical advice is required.

Skin: Cleanse with plenty of water, soap, or other non-irritating cleansing agents. Seek medical attention if necessary.

Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. If the patient feels unwell, seek medical advice.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperatures. Use appropriate media (CO₂, dry chemical powder, water mist, foam) for adjacent fire. Do not use direct water jet.

Special protective equipment & precautions for firefighters: Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Exercise caution when fighting any chemical fire.

Flash Points: 401°F (200°C)

Specific hazards arising from the None listed. See also Stability and reactivity section.

chemical:

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:
Environmental precautions:

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
 Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.

Methods and material for containment and cleaning up:

Absorb and/or contain spill with inert material, then place in suitable container. Clear up spills immediately and dispose of waste safely. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

can be slippery on wet/dry smooth surfaces. 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 when leaving work. Do not eat, drink, or smoke when using this product. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities:

In bulk, store at about 41-50°F (5-10°C) above melting point or at ambient temperature. Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure. Store in a dry, cool, and well-ventilated area. Keep container closed when not in use. Stainless steel preferred for storage. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component
 Palmitic Acid

Exposure Limits
 None established

Basis
 Not available

Entity
 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 safety glasses or goggles.
Inhalation: If irritation is experienced, NIOSH approved respiratory protection should be worn.
Body: Wear rubber gloves and lightweight protective clothing.
Other: 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
Odor: No data available
Odor Threshold: No data available
Color: White
Molecular Weight: No data available
pH: No data available
Boiling Point: 663.8°F (351°C)
Melting/Freezing Point: 144.5°F (62.5°C)
Relative Density at 20°C: 0.8527 g/cm³
Partition Coefficient: n-octanol/water: No data available
Viscosity at 70°C: ~7.8 mPa.s
Oxidizing Properties: No data available

Vapor Pressure at 131°C: <1 mmHg
Vapor Density: No data available
Evaporation Rate: No data available
Flammability: No data available
Upper/lower Explosive Limit: No data available
Flash Point: 401°F/200°C (COC)
Specific Gravity at 20°C: 0.8527 g/cm³
Water Solubility at 20°C: 5e⁻⁵ g/L
Auto-Ignition Temperature: 482°F (250°C)
Decomposition Temperature: No data available
Explosive Properties: No data available
Metal Corrosion: No data available

10 STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	No data available.
Incompatible Materials:	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Products:	No data available.
Possible Hazardous Reactions:	No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	(Rabbit) > 2000 mg/kg. Not irritating to skin.
Eyes:	Dust from this product may cause minor eye irritation.
Inhalation:	No data available.
Ingestion:	May cause nausea, vomiting, and diarrhea.
Carcinogenicity:	Not classified.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Sensitization:	No data available.
Vapors and Dusts:	Not expected to present a significant hazard under anticipated conditions of normal use.
Corrosivity:	No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	Avoid release into the environment.
Aquatic Vertebrate:	(Fish) LC50: 150 mg/L, 96 hours.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	Readily biodegradable.
Bioaccumulative Potential:	Not established.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Do not dump into any sewers, on the ground, or any body of water. For unused and uncontaminated product, the preferred options include; sending to a licensed, permitted, recycler, reclaimer, incinerator, or other thermal destruction device. 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. Regulations may vary by location.
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):	Non-regulated material.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated (Non-hazardous)
IATA (International Air Transport Association):	Not regulated (Non-hazardous)
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Statuses:	TSCA Registered and listed.
TSCA 5(a) SNUR:	No.
Canada (DSL):	Listed.
EU (EINECS):	Listed.
China (IECSC):	Listed.
Australia (AICS):	Listed.
Japan (ENCS):	Listed.
Philippines (PICCS):	Listed.
Korea (KECI):	Listed.
New Zealand (NZIoC):	Listed.

16 OTHER INFORMATION

Revision Date:	20-Jun-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 suitability & completeness of such information for his own particular use.