

MATERIAL SAFETY DATA SHEET


Palmitic acid

Section 1 - Chemical Product and Company Identification

MSDS Name:	Palmitic acid
Synonyms:	Hexadecanoic acid
Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:	Tel: +91 - 22 - 2275 5555 / 6184 0000, Fax: +91 - 22 - 2275 5556 / 6184 0001

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
57-10-3	Palmitic acid	98%	200-312-9

Hazard Symbols:	XI
	
Risk Phrases:	36/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes and skin.

Potential Health Effects

Eye:	Causes eye irritation.
Skin:	Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:	May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:	

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
-----------------------------	--

Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or chemical foam.
-----------------------------	--

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling:	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Storage:	Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.	
Exposure Limits	CAS# 57-10-3:
Personal Protective Equipment	
Eyes:	Wear chemical splash goggles.
Skin:	Wear chemical splash goggles. Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Flakes
Color:	white - almost white
Odor:	Not available
pH:	Not available
Vapor Pressure:	Not available
Viscosity:	Not available
Boiling Point:	351.5 deg C @ 760mmHg (664.70°F)
Freezing/Melting Point:	59 - 63 deg C
Autoignition Temperature:	Not available
Flash Point:	206 deg C (402.80 deg F)
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	Not available
Solubility in water:	Insoluble
Specific Gravity/Density:	0.850
Molecular Formula:	C16H32O2

Molecular Weight:	256.42
--------------------------	--------

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, light, heat.
Incompatibilities with Other Materials	Heat, reducing agents, bases.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#:	CAS# 57-10-3: RT4550000
LD50/LC50:	RTECS: CAS# 57-10-3: Oral, rat: LD50 = >10 gm/kg;
Carcinogenicity:	Palmitic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other:	Do not empty into drains.
---------------	---------------------------

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not regulated.	Not regulated.	Not regulated.
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XI
Risk Phrases:
➤ R 36/38 Irritating to eyes and skin.
Safety Phrases:
➤ S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
➤ S 37/39 Wear suitable gloves and eye/face protection.
WGK (Water Danger/Protection)
➤ CAS# 57-10-3: 0
Canada
➤ CAS# 57-10-3 is listed on Canada's DSL List
US Federal
➤ TSCA
➤ CAS# 57-10-3 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	July 24, 2015
----------------------------	---------------

Revision #0 Date	
-------------------------	--

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
