



# MATERIAL SAFETY DATA SHEET

## Stearic Acid

### Section 1 - Chemical Product and Company Identification

MSDS Name:	Stearic Acid
Synonyms:	Octadecanoic acid
Company Identification:	Hazel Mercantile Ltd
Company Identification: (INDIA)	701/712A, Embassy Centre, Nariman Point, Mumbai -400 021,
For information in the INDIA, call:	+91-22-2282 4444 (50 Lines)

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
57-11-4	Stearic acid	90%	200-313-4

Hazard Symbols:	XI F
	
Risk Phrases:	11 36/37/38

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Highly flammable. Irritating to eyes, respiratory system and skin.

#### Potential Health Effects

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

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will burn in a fire. Combustible solid. Dangerous fire hazard in the form of dust when exposed to heat or flame.
<b>Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam.

### Section 6 - Accidental Release Measures

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	Vacuum or sweep up material and place into a suitable disposal container. Use a spark-proof tool.

### Section 7 - Handling and Storage

<b>Handling:</b>	Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep away from heat, sparks & flame.
<b>Storage:</b>	Keep away from heat, sparks, and flame. Store in a cool, dry place. Store in a tightly closed container. Keep from contact with oxidizing materials. Flammables-area.

### Section 8 - Exposure Controls, Personal Protection

<b>Engineering Controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.
<b>Exposure Limits</b>	CAS# 57-11-4:
<b>Personal Protective Equipment</b>	
<b>Eyes:</b>	Wear chemical splash goggles.
<b>Skin:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Respirators:</b>	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

<b>Physical State:</b>	Flakes
<b>Color:</b>	white
<b>Odor:</b>	fatty odor
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	1mmHg @174 deg C
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	361 deg C @760mmHg ( 681.80°F)
<b>Freezing/Melting Point:</b>	67 - 69 deg C
<b>Autoignition Temperature:</b>	395 deg C ( 743.00 deg F)
<b>Flash Point:</b>	196 deg C ( 384.80 deg F)
<b>Explosion Limits: Lower:</b>	Not available
<b>Explosion Limits: Upper:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Solubility in water:</b>	Slightly soluble
<b>Specific Gravity/Density:</b>	0.840
<b>Molecular Formula:</b>	C18H36O2
<b>Molecular Weight:</b>	284.47



### Section 10 - Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Conditions to Avoid:</b>	Incompatible materials, ignition sources, excess heat.
<b>Incompatibilities with Other Materials</b>	Strong oxidizing agents, strong oxidizing agents, reducing agents, bases.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

### Section 11 - Toxicological Information

<b>RTECS#:</b>	CAS# 57-11-4: WI2800000
<b>LD50/LC50:</b>	RTECS: <b>CAS# 57-11-4:</b> Draize test, rabbit, skin: 500 mg/24H Moderate; Skin, rabbit: LD50 = >5 gm/kg; Other: oral rat LD10 = 4640 mg/kg
<b>Carcinogenicity:</b>	Stearic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
<b>Other:</b>	See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

### Section 12 - Ecological Information

Not available

### Section 13 - Disposal Considerations

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

### Section 14 - Transport Information

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	FLAMMABLE SOLID, ORGANIC, N.O.S.*	FLAMMABLE SOLID, ORGANIC, N.O.S.	FLAMMABLE SOLID, ORGANIC, N.O.S.
<b>Hazard Class:</b>	4.1	4.1	4.1
<b>UN Number:</b>	1325	1325	1325
<b>Packing Group:</b>	III	III	III

### Section 15 - Regulatory Information

<b>European/International Regulations</b>
European Labeling in Accordance with EC Directives
Hazard Symbols: XI F
<b>Risk Phrases:</b>
➤ R 11 Highly flammable.
➤ R 36/37/38 Irritating to eyes, respiratory system and skin.
<b>Safety Phrases:</b>
➤ S 16 Keep away from sources of ignition - No smoking.
➤ 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.
<b>WGK (Water Danger/Protection)</b>
➤ CAS# 57-11-4: 0
<b>Canada</b>
➤ CAS# 57-11-4 is listed on Canada's DSL List
<b>US Federal</b>
➤ TSCA
➤ CAS# 57-11-4 is listed on the TSCA Inventory.



## Section 16 - Other Information

<b>MSDS Creation Date:</b>	08/16/2007
<b>Revision #1 Date</b>	

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