



# MATERIAL SAFETY DATA SHEET

## Lauric acid

### Section 1 - Chemical Product and Company Identification

MSDS Name:	Lauric Acid
Synonyms:	Dodecanoic acid
Company Identification:	Hazel Mercantile Limited
Company Identification: (INDIA)	701, 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#
143-07-7	Lauric acid	99%	205-582-1

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

<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. Do not let this chemical enter the environment.

### Section 7 - Handling and Storage

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

### 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 ventilation to keep airborne concentrations low.
<b>Exposure Limits</b>	CAS# 143-07-7:
<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>	Not available
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	1mmHg @121 deg C
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	225 deg C @100mmHg ( 437.00°F)
<b>Freezing/Melting Point:</b>	44 - 46 deg C
<b>Autoignition Temperature:</b>	Not available
<b>Flash Point:</b>	156 deg C ( 312.80 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>	Insoluble
<b>Specific Gravity/Density:</b>	
<b>Molecular Formula:</b>	C12H24O2
<b>Molecular Weight:</b>	200.32



## Section 10 - Stability and Reactivity

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

## Section 11 - Toxicological Information

<b>RTECS#:</b>	CAS# 143-07-7: OE9800000
<b>LD50/LC50:</b>	<b>RTECS: CAS# 143-07-7:</b> Draize test, rabbit, eye: 100 mg Mild; Draize test, rabbit, skin: 500 mg Mild; Oral, rat: LD50 = 12 gm/kg;
<b>Carcinogenicity:</b>	Lauric 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

<b>Ecotoxicity:</b>	Not available
<b>Other:</b>	Do not empty into drains. Readily biodegradable. Log POW:4.6

## 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>	Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous material
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

## Section 15 - Regulatory Information

<b>European/International Regulations</b>
European Labeling in Accordance with EC Directives
Hazard Symbols: XI
<b>Risk Phrases:</b>
➤ R 36/38 Irritating to eyes and skin.
<b>Safety Phrases:</b>
➤ 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# 143-07-7: 1
<b>Canada</b>
➤ CAS# 143-07-7 is listed on Canada's DSL List
<b>US Federal</b>
➤ TSCA
➤ CAS# 143-07-7 is listed on the TSCA Inventory.



## Section 16 - Other Information

<b>MSDS Creation Date:</b>	October 15, 2007
<b>Revision # 0 Date</b>	

*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.*