

MATERIAL SAFETY DATA SHEET

Octanoic acid

Section 1 - Chemical Product and Company Identification

MSDS Name:	Octanoic Acid
Synonyms:	Caprylic 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#
124-07-2	Octanoic acid	99%	204-677-5

Hazard Symbols:	C
	
Risk Phrases:	34

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Causes burns.

Potential Health Effects

Eye:	Causes eye burns.
Skin:	Causes skin burns.
Ingestion:	Causes gastrointestinal tract burns.
Inhalation:	May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.
Chronic:	

Section 4 - First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin:	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
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:	

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:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

Handling:	Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.
Storage:	Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	
	Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	
	CAS# 124-07-2:

Personal Protective Equipment

Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin:	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:	Clear liquid
Color:	colorless - yellow
Odor:	mild odor
pH:	Not available
Vapor Pressure:	0.05 hPa @ 20 deg C
Viscosity:	Not available
Boiling Point:	237 deg C @ 760.00mm Hg (458.60°F)
Freezing/Melting Point:	16 - 16.5 deg C
Autoignition Temperature:	440 deg C (824.00 deg F)
Flash Point:	130 deg C (266.00 deg F)
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	Not available
Solubility in water:	0.68 G/L WATER (20°C)

Specific Gravity/Density:	0.9100g/cm3
Molecular Formula:	C8H16O2
Molecular Weight:	144.21

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials.
Incompatibilities with Other Materials	Oxidizing agents, reducing agents, bases.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 124-07-2: RH0175000
LD50/LC50:	RTECS: CAS# 124-07-2: Draize test, rabbit, skin: 500 mg/24H Moderate; Oral, rat: LD50 = 10080 mg/kg; Skin, rabbit: LD50 = >5 gm/kg; Other:
Carcinogenicity:	Octanoic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Other:	Biodegradable.
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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:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.*	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class:	8	8	8
UN Number:	3265	3265	3265
Packing Group:	III	III	III

Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: C
Risk Phrases:
➤ R 34 Causes burns.
Safety Phrases:
➤ S 25 Avoid contact with eyes.
➤ S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
➤ S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
WGK (Water Danger/Protection)

➤ CAS# 124-07-2: 1
Canada
➤ CAS# 124-07-2 is listed on Canada's DSL List
US Federal
➤ TSCA
➤ CAS# 124-07-2 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	July 24, 2015
Revision #0 Date	

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