



MATERIAL SAFETY DATA SHEET

N-OCTANOIC ACID

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
n-Octanoic acid

Catalog Numbers: O/0030, SP/0383

Synonyms:
Caprylic acid, octic acid, n-octoic acid, n-octylic acid

Company Information:
LEONID CHEMICALS
62/A-2 1st Stage, Yeshwanthpur Industrial Suburb
Ashokpuram School Road
Bangalore-560 022, Karnataka, INDIA
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	124-07-2
Chemical Name	:	Octanoic acid
%	:	99%
EINECS#	:	204-677-5
Hazard Symbols	:	C
Risk Phrases	:	34

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Causes burns. Corrosive.

Potential Health Effects

Eye:
Causes eye burns. May cause chemical conjunctivitis and corneal damage.

Skin:
Causes skin burns. May cause skin burns. Causes severe skin irritation and burns. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.

Ingestion:
May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause perforation of the digestive tract. May cause systemic effects.

Inhalation:
Dust is irritating to the respiratory tract. Causes chemical burns to the respiratory tract. Aspiration may cause respiratory swelling and pneumonitis. Causes irritation of mucous membrane. Aspiration may lead to pulmonary edema. May cause systemic effects.

Chronic:
Chronic inhalation may cause effects similar to those of acute inhalation. Effects may be delayed.

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. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Possible aspiration hazard. Get medical aid immediately.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician:

Un Listed

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May accumulate static electrical charges, and may cause ignition of its own vapors.

Extinguishing Media:

Water may be ineffective. 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. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

SECTION 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Use with adequate ventilation. Discard contaminated shoes.

Storage:

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area.

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.

Personal Protective Equipment

Eyes:

Not available.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Liquid
Color	:	after melting, clear slightly yellow
Odor	:	Slightly unpleasant & irritating odor
pH	:	Not available.
Vapor Pressure	:	0.05 hPa @ 20 C
Viscosity	:	mPas 20 deg C
Boiling Point	:	237 deg C @ 760.00mm Hg
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	:	Un Listed
Solubility in water	:	soluble in alcohol and ether
Specific Gravity/Density	:	.9100g/cm3
Molecular Formula	:	C8H16O2
Molecular Weight	:	144.21

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures. Forms explosive mixtures with air (56°F/13°C).

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide, acrid smoke and fumes.
Polymerization:
Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 124-07-2: Rh0175000

LD50/LC50:
CAS# 124-07-2: Draize test, rabbit, skin: 500 mg/24H Moderate; Oral, rat: LD50 = 10080 mg/kg; Skin, rabbit: LD50 = >5 gm/kg.
Carcinogenicity:
Octanoic acid -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other:
See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name : CORROSIVE LIQUID, NOS
Hazard Class : 8
UN Number : 1760
Packing Group : III

IMO

Shipping Name : CORROSIVE LIQUID, NOS
Hazard Class : 8
UN Number : 1760
Packing Group : III

ID/ADR

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Packing Group : 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

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 1306-19-0 is listed on Canada's DSL List.

CAS# 1306-19-0 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

Un Listed

US FEDERAL

TSCA

CAS# 124-07-2 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

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 way 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.