



MATERIAL SAFETY DATA SHEET

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n-Octylamine, 99+%

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: n-Octylamine, 99+%

Catalog Numbers:

0013

Synonyms:

1-Octanamine

Company Identification:

LEONID CHEMICALS

62/A-2 2nd Stage, Industrial Suburb

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	111-86-4
Chemical Name	:	n-Octylamine
%	:	
EINECS#	:	203-916-0
Hazard Symbols	:	C N
Risk Phrases	:	21/22 35 50

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful in contact with skin and if swallowed. Causes severe burns.

Very toxic to aquatic organisms.

Potential Health Effects

Eye:

Causes severe eye burns.

Skin:

Harmful if absorbed through the skin. Causes skin burns.

Ingestion:

Harmful if swallowed. Causes gastrointestinal tract burns.

Inhalation:

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:

Not available.



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:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Do NOT induce vomiting and seek IMMEDIATE MEDICAL ADVICE. Wash mouth out with water.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

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. Will burn if involved in a fire. Combustible liquid.

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:

Wash thoroughly after handling. Use spark-proof tools and explosion proof equipment. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Use only in a chemical fume hood.

Storage:

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. 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:

Wear chemical goggles.

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. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear liquid

Color: APHA: 20 max

Odor: amine-like

pH: Not available.

Vapor Pressure: 1 mbar @ 20 deg C

Viscosity: 1.39 mPa.s@20 deg C

Boiling Point: 179 deg C @ 760.00mm Hg

Freezing/Melting Point: -1 deg C

Autoignition Temperature: 265 deg C (509.00 deg F)

Flash Point: 60 deg C (140.00 deg F)

Explosion Limits, lower: 1.60 vol %

Explosion Limits, upper: 8.20 vol %

Decomposition Temperature: 300 deg C

Solubility in water: 0.2 g/l water (25°C)

Specific Gravity/Density: .7820g/cm³

Molecular Formula: C₈H₁₉N

Molecular Weight: 129.24

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Not available.

Conditions to Avoid:

Incompatible materials, ignition sources.

Incompatibilities with Other Materials:

Strong oxidizing agents, acids, acid chlorides, acid anhydrides.
Hazardous Decomposition Products:
Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 111-86-4: RG8050000

LD50/LC50:

CAS# 111-86-4: Draize test, rabbit, eye: 100 mg/24H Severe.

Oral, rat : LD50 >250 mg/kg

Skin, rabbit : LD50 200 - 2000 mg/kg

Carcinogenicity:

n-Octylamine -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Algae: EC50: 0.23 mg/l; 72H; .Fish: Leuciscus idus: 15 mg/l < LC50 <
22 mg/l; 96H; .log Pow: 0.76

Other

Do not empty into drains. Biodegradable.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name: AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.*

Hazard Class: 8

UN Number: 2734

Packing Group: I

IMO

Shipping Name: AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.

Hazard Class: 8

UN Number: 2734

Packing Group: I

RID/ADR

Shipping Name: AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.

Hazard Class: 8

UN Number: 2734

Packing group: I

SECTION 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C N

Risk Phrases:

R 21/22 Harmful in contact with skin and if swallowed.

R 35 Causes severe burns.

R 50 Very toxic to aquatic organisms.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 29 Do not empty into drains.

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).

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 111-86-4: 2

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 111-86-4 is listed on Canada's DSL List.

CAS# 111-86-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 111-86-4 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

MSDS Creation Date: 7/16/1996 Revision #2 Date: 3/22/2004

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.