

MATERIAL SAFETY DATA SHEET

1-NAPHTHALDEHYDE 97%

(For Synthesis)

MSDS CAS: 66-77-3

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: 1-NAPHTHALDEHYDE

CAS#: 66-77-3

C.I. No.: Not available.

Synonym: 1-naphthalene carboxaldehyde

Chemical Name: Not available.

Chemical Formula: C₁₁H₈O

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
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Section 2: Composition and Information on Ingredients

Composition:

| Name | CAS # | % by Weight |
|------------------|---------|-------------|
| 1-Naphthaldehyde | 66-77-3 | 100 |

Section 3: Hazards Identification

Risk advice to man and the environment: Harmful if swallowed.

Section 4: First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire and Explosion Data

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Safety glasses.

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance

| | |
|----------------------|--------------------------|
| Form | : Clear, Liquid |
| Colour | : Dark Yellow |
| pH | : 7 at < 1 g/l at 20 °C |
| Melting point | : 1 - 2 °C |
| Boiling point | : 160 - 161 °C at 20 hPa |

Section 9: Physical and Chemical Properties (Continued)

| | |
|-------------------------|-----------------------|
| Flash point | : 110 °C - closed cup |
| Ignition temperature | : No data available |
| Lower explosion limit | : No data available |
| Upper explosion limit | : No data available |
| Density | : 1,15 g/mL at 25 °C |
| Water solubility | : No data available |
| Relative vapour density | : 5,39- (Air = 1.0) |

Section 10: Stability and Reactivity Data

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents, Strong bases.

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11: Toxicological Information

Acute toxicity

LD50 Oral - rat - 667 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Behavioral: Muscle weakness. Skin and Appendages: Other: Hair. LD50 Dermal - guinea pig - > 22.900 mg/kg Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis.

Irritation and corrosion: No data available.

Sensitisation: No data available.

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure

Cough, Shortness of breath, Headache, Nausea, Vomiting, to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 11: Toxicological Information (Continued)

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion Harmful if swallowed.

Section 12: Ecological Information

Elimination information (persistence and degradability): No data available.

Ecotoxicity effects: No data available.

Further information on ecology: No data available.

Section 13: Disposal Considerations

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Section 15: Other Regulatory Information

Labelling according to EC Directives

Hazard symbols

Xn Harmful

R-phrases(s)

R22 Harmful if swallowed.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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