OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

a-NAPHTHYLAMINE 98%

Extra Pure
(1-Naphthylamine)
MSDS CAS: 134-32-7

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: a-NAPHTHYLAMINE Extra Pure
CAS#: 134-32-7
Synonym: 1-naphthylamine, 1-Aminonaphthalene
Chemical Name: Not available.
Chemical Formula: $C_{10}H_9N$

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
a-Naphthylamine	134-32-7	100

Section 3: Hazards Identification

Risk advice to man and the environment:
Harmful if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 6: Accidental Release Measures (Continued)

Methods for cleaning up:
Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling:
Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage:
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C Air and light sensitive.

Section 8: Exposure Controls/Personal Protection

Personal protective equipment
Respiratory protection:
Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) 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: **Face shield and 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 : Flakes
Odour : Ammonia odor
Safety data
pH :7,1 at 1 g/l at 20 °C
Melting point : 47 - 50 °C - lit.
Boiling point : 301 °C - lit.
Flash point : 157 °C - closed cup
Ignition temperature : 460 °C
Lower explosion limit : No data available
Upper explosion limit : No data available
Vapour pressure : 0,095 hPa at 50 °C
0,012 hPa at 30 °C
0,004 hPa at 20 °C
Density : 1,114 g/mL at 25 °C
Water solubility : No data available
Partition coefficient:n-octanol/waterlog Pow: 2,1

Section 10: Stability and Reactivity Data

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Oxidizing agents

Hazardous decomposition products:
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

Section 11: Toxicological Information

Acute toxicity
LD50 Oral - rat - 680 mg/kg
LC50 Inhalation - rat - 4 h - 0,056 mg/m3
LD50 Dermal - rat - male - 447 mg/kg
LD50 Dermal - rat - female - 200 - 1.000 mg/kg

Section 11: Toxicological Information (Continued)

Irritation and corrosion

Skin - rabbit - No skin irritation - 24 h
Eyes - rabbit - Mild eye irritation

Sensitisation: No data available

Chronic exposure

This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH,NTP, or EPA classification.
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (1-Naphthylamine)

Signs and Symptoms of Exposure

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

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.
Target Organs Bladder

Section 12: Ecological Information

Elimination information (persistence and degradability)

Biodegradability Biotic/Aerobic
Result: < 1 % - Not readily biodegradable.
Bioaccumulation Cyprinus carpio (Carp) -
Bioconcentration factor (BCF): 54

Ecotoxicity effects

Toxicity to fish LC50 - Oryzias latipes - 7 mg/l - 48 h
LC100 - Oncorhynchus mykiss (rainbow trout) - 6 - 8 mg/l - 48 h

Further information on ecology

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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)
Proper shipping name: alpha-NAPHTHYLAMINE
UN N°: 2077
H.I. nr: 60
ADR - Class: 6.1
Labelling - Transport: 6.1: Toxic substances.
ADR - Group: III

Sea transport (IMDG) [English only]
Proper shipping name: alpha-NAPHTHYLAMINE
UN N°: 2077
IMO-IMDG - Class or division: 6.1: Toxic substances.
IMO-IMDG - Packing group: III

Air transport (ICAO-IATA) [English only]
Proper shipping name: alpha-NAPHTHYLAMINE
UN N°: 2077
IATA - Class or division: 6.1: Toxic substances.
IATA - Packing group: III

Section 15: Other Regulatory Information

Labelling according to EC Directives
EC Label
Hazard symbols
Xn Harmful
N Dangerous for the environment

Section 15: Other Regulatory Information (Continued)

R-phrase(s)
R22 Harmful if swallowed.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)
S24 Avoid contact with skin.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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