

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
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MATERIAL SAFETY DATA SHEET

DL-NOR-ADRENALINE

(Purified)

MSDS CAS: 138-65-8

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: DL-nor-ADRENALINE

CAS#: 138-65-8

Synonym:

Chemical Name:

Chemical Formula: C₈H₁₁NO₃

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.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	Percent	Hazardous
DL-nor-Adrenaline	138-65-8	90-100%	YES

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Section 3: Hazards Identification

Risk advice to man and the environment

Very toxic if swallowed. Risk of serious damage to eyes.

Section 4: First Aid Measures

Description of 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

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides (NOx)

Advice for firefighters: 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. Evacuate personnel to safe areas.

Section 6: Accidental Release Measures (Continued)

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

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

Section 7: Handling and Storage

Precautions for safe handling:

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

Conditions for safe storage, including any incompatibilities

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

Section 8: Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) 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: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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Section 9: Physical and Chemical Properties

Physical state and appearance: Powder

Odor	: Not available.
Taste	: Not available.
Molecular Weight	: 169.2 g/mole
Color	: beige.
pH (1% soln/water)	: Not available.
Boiling Point	: Not available.
Melting Point	: 190 °C
Critical Temperature	: Not available.
Specific Gravity	: Not available.
Vapor Pressure	: Not applicable.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Partition coefficient:n-octanol/waterlog: Pow:	-0,663
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: Not available.

Section 10: Stability and Reactivity Data

Storage stability: Stable under recommended storage conditions.

Conditions to avoid: Exposure to light may affect product quality.

Materials to avoid: acids, Bases, Oxidizing agents

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

Section 11: Toxicological Information

Acute toxicity: LD50 Intravenous - rat - 0,13 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Muscle weakness. Lungs, Thorax, or Respiration:Dyspnea.

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.

May cause reproductive disorders. Exposure during pregnancy can provoke uterine contractions which can result in fetal asphyxia.

Signs and Symptoms of Exposure

Headache, Palpitation

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** Causes serious eye irritation.
- **Ingestion** May be fatal if swallowed.
- **Target Organs** Heart, Smooth muscle.

Section 12: Ecological Information

Elimination information: no data available

Ecotoxicity effects: no data available

Further information: no data available

Section 13: Disposal Considerations

Waste treatment methods

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.

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Section 14: Transport Information

Land transport (ADR-RID)

General Information : Not Regulated

Section 14: Transport Information (Continued)

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

T+ Very toxic

R-phrases)

R28 Very toxic if swallowed.

R41 Risk of serious damage to eyes.

S-phrases)

S28 After contact with skin, wash immediately with plenty of water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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