

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**Regd Office:** Unit no 12, 1st Floor,  
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**Oxford**  
Range of  
Laboratory Chemicals

## 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:** C<sub>8</sub>H<sub>11</sub>NO<sub>3</sub>

**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  
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## Section 2: Composition and Information on Ingredients

### Composition:

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

## 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 (NO<sub>x</sub>)

**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.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Powder

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

## 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**

### 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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