

# 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

### DYSPROSIUM OXIDE 99.9% AR

MSDS CAS: 1308-87-8

#### Section 1: Chemical Product and Company Identification

##### Section 1: Chemical Product

**Product Name:** DYSPROSIUM OXIDE AR

**CAS#:** 1308-87-8

**Synonym:** Not Available.

**Chemical Name:** Dysprosium Oxide AR

**Chemical Formula:** Dy<sub>2</sub>O<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.  
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Tel: 91-250-2390989  
Tel/Fax: 91-250-2390032

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

##### Composition:

Name	CAS #	% by Weight
Dysprosium Oxide AR	1308-87-8	100

## Section 3: Hazards Identification

**Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.**

Not Available.

## Section 4: First Aid Measures

**If inhaled:**

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

**In case of skin contact:**

Wash off with soap and plenty of water.

**In case of eye contact:**

Flush eyes with water as a precaution.

**If swallowed:**

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

## Section 5: Fire and Explosion Data

**Suitable extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special protective equipment for fire-fighters:**

Wear self contained breathing apparatus for fire fighting if necessary.

**Further information:**

The product itself does not burn.

## Section 6: Accidental Release Measures

### Personal precautions:

Avoid dust formation.

### Environmental precautions:

Do not let product enter drains.

### Methods for cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

### Handling:

Provide appropriate exhaust ventilation at places where dust is formed.

### Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic Moisture sensitive.

## Section 8: Exposure Controls/Personal Protection

### Personal protective equipment

#### Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection:

For prolonged or repeated contact use protective gloves.

#### Eye protection: Safety glasses.

#### Hygiene measures: General industrial hygiene practice.

## Section 9: Physical and Chemical Properties

Appearance Form	: Powder.
Molecular Weight	: 373 g/mole.
Colour	: Light Yellow.
pH	: No Data Available.
Melting Point	: No Data Available.
Boiling Point	: No Data Available.
Flash Point	: Not Applicable.
Ignition Temperature	: No Data Available.
Lower Explosion Limit	: No Data Available.
Upper Explosion Limit	: No Data Available.
Density	: 7,81 G/ML At 25 °C
Water Solubility	: No Data Available.

## Section 10: Stability and Reactivity Data

### Storage stability:

Stable under recommended storage conditions.

### Materials to avoid:

Strong acids, Strong oxidizing agents, Carbon dioxide (CO<sub>2</sub>)

### Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

## Section 11: Toxicological Information

### Acute toxicity:

LD<sub>50</sub> Oral - rat - > 5.000 mg/kg

Irritation and corrosion: No data available.

## Section 11: Toxicological Information (Continued)

**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.

**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** May be 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.

**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

#### Further information:

The product does not need to be labelled in accordance with EC directives or respective national laws.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

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