

# 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

### DITHIOOXAMIDE 98% AR

(Rubenic Acid)

MSDS CAS: 79-40-3

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

##### Section 1: Chemical Product

**Product Name:** DITHIOOXAMIDE AR

**CAS#:** 79-40-3

**Synonym:** Rubenic Acid, Dithiooxalic diamide

**Chemical Name:** Dithiooxamide AR

**Chemical Formula:** C<sub>2</sub>H<sub>4</sub>N<sub>2</sub>S<sub>2</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  
Tel/Fax: 91-250-2390032

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

##### Composition:

Name	CAS #	% by Weight
Dithiooxamide AR	79-40-3	100

## Section 3: Hazards Identification

### Risk advice to man and the environment:

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

## 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 fire fighting if necessary.

## Section 6: Accidental Release Measures

### Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

### Environmental precautions:

Do not let product enter drains.

### 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 contact with skin and eyes. 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.

## 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: Safety glasses.

## Section 8: Exposure Controls/Personal Protection (Continued)

### 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

Physical state and appearance	: Solid.
Odor	: Not available.
Taste	: Not available.

## Section 9: Physical and Chemical Properties (Continued)

Appearance Form	: Powder.
Colour	: Dark red.
Molecular Weight	: 120.2 g/mole
pH	: No data available.
Melting point	: $\geq 300\text{ }^{\circ}\text{C}$
Boiling point	: No data available.
Flash point	: No data available.
Ignition temperature	: No data available.
Lower explosion limit	: No data available.
Upper explosion limit	: No data available.
Water solubility	: No data available.

## 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 (NO<sub>x</sub>), Sulphur oxides.

## Section 11: Toxicological Information

### Acute toxicity:

LD50 Oral - mouse - 350 mg/kg

**Remarks:** Behavioral: Somnolence (general depressed activity). Behavioral: Convulsions or effect on seizure threshold. Behavioral: Change in motor activity (specific assay).

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:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Potential Health Effects

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes 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.

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**Oxford**  
Range of  
Laboratory Chemicals

## Section 15: Other Regulatory Information

Labelling according to EC Directives

Hazard symbols: Xn Harmful.

R-phrases(s):

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrases(s):

S36/37 Wear suitable protective clothing and gloves.

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

### *Disclaimer:*

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The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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