

## **MATERIAL SAFETY DATA SHEET**

### **D-PROLINE 99% (For Biochemistry) MSDS CAS: 344-25-2**

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

##### **Section 1: Chemical Product**

**Product Name:** D-PROLINE

**CAS#:** 344-25-2

**Synonym:** (R)-Pyrrolidine-2-carboxylic acid

**Chemical Name:** Not available.

**Chemical Formula:** C<sub>5</sub>H<sub>9</sub>NO<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
D-Proline	344-25-2	100

#### **Section 3: Hazards Identification**

This substance is not classified as dangerous according to Directive 67/548/EEC.

## 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 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:** 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. 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:** 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
Colour	: White
Molecular Weight	: 115.13 g/mole
pH	: No data available
Melting point	: 223 °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
Density	: No data available
Water solubility	: No data available

## Section 10: Stability and Reactivity Data

**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:** Strong oxidizing agents.

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - nitrogen oxides (NO<sub>x</sub>).

## Section 11: Toxicological Information

**Acute toxicity:** No data available

**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** 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.

## ***Disclaimer:***

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