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MATERIAL SAFETY DATA SHEET

L-PROLINE 99% **(For Biochemistry)** **MSDS CAS: 147-85-3**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: L-PROLINE

CAS#: 147-85-3

Synonym: (S)-Pyrrolidine-2-carboxylic acid

Chemical Name: Not available.

Chemical Formula: C₅H₉NO₂

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
L-Proline	147-85-3	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	: 6,0 - 7 at 115 g/l at 25 °C
Melting point	: 228 °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	: 115 g/l at 20 °C - completely soluble

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_x).

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

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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