



Section 1 - Chemical Product and Company Identification

Product Name Z-L-Proline extrapure, 99%
Product Code 31688
CAS No 1148-11-4
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#
1148-11-4	Z-L-Proline	99	214-557-4

No components need to be disclosed according to the applicable regulations.

Section 3 - Hazards Identification

Risk advice to man and the environment

Not a hazardous substance or mixture

Section 4 - First Aid Measures

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Notes to Physician:

Section 5 - Fire Fighting Measures

Extinguishing Media

Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective

Equipment For Firefighters:Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures



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Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. 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: 0 to 4°C Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Exposure Control / 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: Solid

Molecular Formula: C₁₃H₁₅NO₄

Molecular Weight: 249.3

Melting point: 76 - 78 °C / 168.8 - 172.4 °F

Section 10 - Stability and Reactivity



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Storage stability: Stable under recommended storage conditions.
Materials to avoid: Strong oxidizing agents
Hazardous decomposition
Products formed under fire
conditions. - Carbon oxides, Nitrogen oxides (NO_x)

Section 11 - Toxicological Information

Acute toxicity: LD50 Oral - Mouse - 936 mg/kg
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: No data available
Route Of Exposure
Inhalation: No data available
Skin : No data available
Eyes: No data available
Ingestion: No data available

Section 12 - Ecological Information

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

	IATA	IMO	RID/ADR
Shipping Name:			
Hazard Class:	Not Regulated for Transport (Non-Haz)		
UN Number:			
Packing Group:			

Section 15 - Regulatory Information



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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation 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.