



# SAFETY DATA SHEET

## L-ISOLEUCINE

### PRODUCT# L-ISOLE-4990

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#### SECTION I – PRODUCT IDENTIFICATION

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**Product Name:** L-Isoleucine  
**End Use:** Food Additive, Nutritional Supplement  
**Description:** White crystals or crystalline powder  
**Chemical Name:** L-Isoleucine  
**Chemical Family or Formula:** Amino Acid

**HMIS Rating:** Health 0                      **Flammability:** 1                      **Reactivity:** 0

**Distributor Name:** Bella Corp Trading Pty Ltd  
**Address:** 6/34 Dominions Road, Ashmore QLD 4214, Australia  
**Telephone:** 07 5597 4169  
**Email:** [bellacorp@bellacorp.com.au](mailto:bellacorp@bellacorp.com.au)

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#### SECTION II – INGREDIENTS

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**Components:** L-Isoleucine  
**CAS#:** 73-32-5

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#### SECTION III – HEALTH HAZARD DATA

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**Route(s) of Entry:**

**Eye:** Yes.  
**Inhalation:** Yes.  
**Skin:** No.  
**Ingestion:** Yes.

**Nature of Principle Hazard:** Not a health hazard as defined by OSHA.

**Health Effects:** No specific information is available in our database regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

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#### SECTION IV – FIRST AID PROCEDURES

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**Ingestion:** May result in the material swelling in the throat. Drink large amounts of water. Never give anything by mouth to an unconscious person.  
**Eye Contact:** Flush with plenty of water. If irritation develops, call a physician.  
**Skin Contact:** No harmful effects expected. Wash with water. Get medical attention if irritation develops.  
**Inhalation:** If large quantities have been inhaled, keep airway open as necessary.  
**If Swallowed:** Symptomatic treatment. No harmful effects are expected.



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### SECTION V – FIRE AND EXPLOSION DATA

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<b>Flash Point:</b>	Not applicable.
<b>Extinguishing Agents:</b>	Dry chemical, CO <sub>2</sub> , Foam.
<b>Fire and Explosion Hazards:</b>	Carbon oxides formed when burned.
<b>Special Fire Fighting Procedures:</b>	Wear self-contained breathing apparatus and protective equipment when entering area of fire involving this material.

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### SECTION VI – ACCIDENTAL RELEASE MEASURES

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<b>Steps to be Taken in Case Material is Released or Spilled:</b>	Sweep up spilled material and repackage. Avoid creating dust clouds. Hose spill area thoroughly with water. Use appropriate tools to put the spilled solid in a convenient waste disposal container.
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### SECTION VII – HANDLING AND STORAGE

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Store in a cool, well-ventilated place and away from extreme heat and strong oxidizing agents. Keep container dry and tightly closed.

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### SECTION VIII – PERSONAL PROTECTION INFORMATION

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<b>Respiratory Protection:</b>	In heavy product dust exposure, a protecting mask is recommended.
<b>Ventilation Type Required:</b>	Local exhaust.
<b>Other:</b>	Treat as a nuisance dust.
<b>Protective Gloves:</b>	Not normally required.
<b>Eye Protection:</b>	Not normally required.
<b>Other Protective Clothing or Equipment:</b>	None.

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### SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	White crystals or crystalline powder
<b>Odor:</b>	Odorless
<b>Boiling Point:</b>	Not applicable
<b>Melting Point:</b>	Not applicable
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	Not applicable
<b>Vapor Pressure (mm Hg):</b>	Not applicable
<b>Evaporation Rate (Butyl Acetate=1):</b>	Not applicable
<b>Vapor Density (Air=1):</b>	Not applicable
<b>pH:</b>	5.5 – 7.0
<b>Taste:</b>	Slightly sweet
<b>Solubility in Water:</b>	Partially soluble in cold water. Very slightly soluble in methanol, acetone.



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## SECTION X – REACTIVITY DATA

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<b>Stability:</b>	Stable
<b>Incompatibility:</b>	Strong oxidants
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Carbon dioxide and carbon monoxide formed when burned
<b>Conditions to Avoid:</b>	Not applicable

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## SECTION XI – TOXICOLOGICAL INFORMATION

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<b>Routes of Entry:</b>	Eye contact, Inhalation, Ingestion
<b>Toxicity to Animals:</b>	Not available
<b>LD50:</b> Not available	<b>LC50:</b> Not available
<b>Chronic Effects on Humans:</b>	Not available
<b>Other Toxic Effects on Humans:</b>	Hazardous in case of skin contact (irritant), of ingestion, of inhalation
<b>Special Remarks on Toxicity to Animals:</b>	Not available
<b>Special Remarks on Chronic Effects on Humans:</b>	Not available
<b>Special Remarks on Other Toxic Effects on Humans:</b>	Not available

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## SECTION XII – ECOLOGICAL INFORMATION

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<b>Eco-Toxicity:</b>	Not available
<b>BOD5 and COD:</b>	Not available
<b>Products of Biodegradation:</b>	Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.
<b>Special Remarks on the Products of Biodegradation:</b>	Not available

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## SECTION XIII – DISPOSAL CONSIDERATIONS

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**Disposal Method:** Bury in a licensed landfill according to federal, state, and local regulations and laws.  
**Contaminated Packing:** Follow all approved national or native regulations and laws.

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## SECTION XIV – TRANSPORTATION INFORMATION

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<b>Shipping Name:</b>	L-Isoleucine
<b>Hazard Class:</b>	Not regulated
<b>ID Number:</b>	None
<b>Label(s) Required:</b>	None
<b>Shipping Description:</b>	Not regulated
<b>Packaging References:</b>	Not regulated
<b>Special Transportation Notes:</b>	None

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## SECTION XV – REGULATORY INFORMATION

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**Risk Phrases:** None  
**Safety Phrases:** None



Bella Corp  
Trading Pty Ltd

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### SECTION XVI – ADDITIONAL INFORMATION

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**References:** Not available

**Other Special Considerations:** Not available