

Instant L-Leucine

Fermented

****** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ******

MSDS Name: L-Leucine

Company Identification: Fenchem Biotek Ltd.,

No. 1911, Fortune Buliding, No. 359 Hongwu Rd,NJ,China.

PC: 210002.

For information, call: +86 25 84218888

Emergency Number: +86 25 84574708

For CHEMTREC assistance, call: +86 25 84218888

For International CHEMTREC assistance, call: +86 25 84574708

****** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ******

CAS#	Name	Chemical %
61-90-5	L-Leucine	95% min

Toxicological Data on Ingredients: Not applicable.

****** SECTION 3 - HAZARDS IDENTIFICATION ********EMERGENCY OVERVIEW**

The toxicological properties of this material have not been fully investigated.

Potential Health Effects**Eye:**

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.**Chronic:** No information found.****** SECTION 4 - FIRST AID MEASURES ********Eyes:**

Flush eyes with plenty of water for at least 15 minutes,occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

****** SECTION 5 - FIRE FIGHTING MEASURES ******

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Flash Point: Not available.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available.

****** SECTION 6 - ACCIDENTAL RELEASE MEASURES ******

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Provide ventilation.

****** SECTION 7 - HANDLING and STORAGE ******

Handling:

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Store in cool and dry place.

****** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ******

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

OSHA Vacated PELs:

INOSITOL: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

****** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ******

Appearance: White or almost white crystalline powder.
Odor: Characteristic
Taste: Characteristic
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: Not available.
Melting Point: Not available.
Autoignition Temperature: Not applicable.
Flash Point: Not applicable.
Decomposition Temperature: Not available.
Solubility in water: Soluble in water.

****** SECTION 10 - STABILITY AND REACTIVITY ******

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Dust generation, excess heat, strong oxidants.
Incompatibilities with Other Materials:
Strong oxidizing agents.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Hazardous Polymerization: Has not been reported.

****** SECTION 11 - TOXICOLOGICAL INFORMATION ******

LD50/LC50:
Acute oral toxicity (LD50): Not available.
Carcinogenicity:
Not listed by ACGIH, IARC, NTP
Epidemiology:
No information available.
Teratogenicity:

No information available.
Reproductive Effects:
No information available.
Neurotoxicity:
No information available.
Mutagenicity:
No information available.
Other Studies:
See actual entry in RTECS for complete information.

****** SECTION 12 - ECOLOGICAL INFORMATION******

Ecotoxicity: Not available
BOD5 and COD: Not available
Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the products of Biodegradation:
The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation: Not available

****** SECTION 13 - DISPOSAL CONSIDERATIONS ******

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice.
Empty containers must be decontaminated before returning for recycling.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

****** SECTION 14 - TRANSPORT INFORMATION ******

US DOT
Not a DOT controlled material (United States).
Canadian TDG
No information available.

****** SECTION 15 - REGULATORY INFORMATION ******

Federal and State Regulations: TSCA 8(b) inventory: L-Leucine
Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
Other Classifications:
WHMIS (Canada): Not controlled under WHMIS (Canada).
DSCG (EEC): R36/38- Irritating to eyes and skin.
HMIS (U.S.A.):
Health Hazard: 2
Fire Hazard: 1

Reactivity: 0
Personal Protection: E
National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 1
Reactivity: 0
Specific hazard:

****** SECTION 16 - ADDITIONAL INFORMATION ******

MSDS Creation Date: 04/10/2007 Last updated: 11/20/2017

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

