

### Section 1: Identification

<b>Common Name/Trade Name</b>	L-GLUTAMINE USP	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
<b>Distributor Name</b>	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: <a href="mailto:bellacorp@bellacorp.com.au">bellacorp@bellacorp.com.au</a>	
<b>Product Synonym(s)</b>	N/A	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

### Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Not a hazardous substance or mixture.
<b>Signal Word</b>	None
<b>Hazard Statement(s)</b>	N/A
<b>Pictogram(s)</b>	N/A
<b>Precautionary Statement(s)</b>	N/A
<b>Hazards Not Otherwise Classified</b>	No data available
<b>Ingredient(s) with Unknown Toxicity</b>	No data available

### Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	L-Glutamine
<b>Common Name</b>	L-Glutamine
<b>CAS Number</b>	56-85-9
<b>Impurities and/or Stabilizing Additives</b>	No data available

### Section 4: First Aid Measures

<b>General Advice</b>	No data available.
<b>If Inhaled</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, call a doctor/physician.
<b>In Case of Skin Contact</b>	Rinse with plenty of water. If symptoms continue, call a doctor/physician.
<b>In Case of Eye Contact</b>	Immediately rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.
<b>If Swallowed</b>	Rinse mouth. Immediately get medical advice/attention.
<b>Most Important Symptoms and Effects</b>	No data available

### Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Suitable extinguishing media: Use water mist, dry chemical powder, fire foam or carbon dioxide. Unsuitable extinguishing media: Applying direct water may be dangerous because fire may expand to surroundings.
<b>Special Hazards Arising From the Substance/Mixture</b>	General caution; powdered materials may cause dust explosions under certain conditions.
<b>Special PPE and/or Precautions for Firefighters</b>	Cut off any ignition sources and extinguish with an appropriate agent. Cool the surrounding tank and the buildings with direct water jet to avoid risk of fire spreading. Take action from windward. Keep out except responsible personnel. Move container to a safe area if it can be done without risk.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Keep out except responsible personnel. Wear suitable protective equipment described in SECTION 8: Exposure controls/personal protection. Avoid release into the environment because product may cause local effects.
<b>Methods and Materials Used for Containment</b>	Sweep up scattered materials or vacuum them using a vacuum cleaner so as not to cause dust then collect them into an empty container. Do not eat or drink near handling and storage locations. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent to flowing into drains, sewers, basements or closed areas.
<b>Cleanup Procedures</b>	Keep out except responsible personnel. Wear suitable protective equipment described in SECTION 8: Exposure controls/personal protection. Avoid release into the environment because product may cause local effects. Sweep up scattered materials or vacuum them using a vacuum cleaner so as not to cause dust then collect them into an empty container. Do not eat or drink near handling and storage locations. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent to flowing into drains, sewers, basements or closed areas.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Install appropriate equipment and wear suitable protective apparatus described in "SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION". Do not eat, drink or smoke when using this product. Avoid the generation of dust. Wash hands thoroughly after handling.
<b>Conditions for Safe Storage</b>	In the storage area, install adequate light and ventilation systems to handle hazardous materials. Take precautionary measures against static discharge. Controlled room temperature in tight container. Use a sealed container without damage or leakage.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	No data available
<b>Appropriate Engineering Controls</b>	In a work place where dusts generate, ensure to use sealed instrument or local ventilation.
<b>PPE - Eye/Face Protection</b>	Wear safety glasses or goggles if in eyes.
<b>PPE - Skin Protection</b>	If hand contact is possible, wear protective gloves. Wear protective clothing and apron if necessary.
<b>PPE - Body Protection</b>	If hand contact is possible, wear protective gloves. Wear protective clothing and apron if necessary.
<b>PPE - Respiratory Protection</b>	In case of dust generation, wear appropriate protective mask or air aspirator as required.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Solid Colour: White
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	Odorless
<b>Vapor Pressure</b>	No data available
<b>Odor Threshold</b>	No information
<b>Vapor Density</b>	No data available
<b>pH</b>	4.0-6.0 at 20 g/1000 mL of water
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	Melting point/freezing point: 185 °C (decomposition)
<b>Solubility</b>	4.8 g/100 g of water at 30°C and practically insoluble in methanol, ethanol, ether, benzene, acetone, ethyl acetate.
<b>Initial Boiling Point and Boiling Range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (Solid, Gas)</b>	No information
<b>Partition Coefficient</b>	No information
<b>Auto-Ignition Temperature</b>	No information
<b>Decomposition Temperature</b>	No information
<b>Viscosity</b>	Not applicable

## Section 10: Stability and Reactivity

<b>Reactivity</b>	Stable under normal handling condition.
<b>Chemical Stability</b>	Stable under normal handling condition.
<b>Possibility of Hazardous Reactions</b>	No hazardous reaction expected under normal handling.
<b>Conditions to Avoid</b>	Avoid high temperature, high humidity or light.
<b>Incompatible Materials</b>	oxidizing agents
<b>Hazardous Decomposition Products</b>	In case of fire, toxic decomposition products may be generated.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Acute toxicity (oral): Rat LD50 > 16,000 mg/kg
<b>Acute Toxicity - Inhalation</b>	No data available
<b>Acute Toxicity - Dermal</b>	No data available
<b>Acute Toxicity - Eye</b>	No data available
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Irritation</b>	No data available
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity IARC</b>	Not listed.
<b>Carcinogenicity ACGIH</b>	No data available
<b>Carcinogenicity NTP</b>	Not listed.
<b>Carcinogenicity OSHA</b>	Not listed.
<b>Reproductive Toxicity</b>	No data available
<b>Specific Target Organ Toxicity - Single Exposure</b>	No data available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	No data available
<b>Aspiration Hazard</b>	No data available

## Section 12: Ecological Information

<b>Toxicity</b>	No information
<b>Persistence and Degradability</b>	No information
<b>Bio-accumulative Potential</b>	No information
<b>Mobility in Soil</b>	No information
<b>Other Adverse Effects</b>	L-Glutamine is one of common substances (amino acids) composing animal or plant body and is degraded by oxidation and hydrolysis. No serious influence to environment is expected.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose of waste in accordance with applicable local, regional and international regulations and standards. When disposing, consult to a certificated waste trader or local offices if they deal with the waste. Used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations. Contents should be removed completely when dispose of empty containers.
<b>Waste Treatment Methods Packaging</b>	Dispose of waste in accordance with applicable local, regional and international regulations and standards. When disposing, consult to a certificated waste trader or local offices if they deal with the waste. Used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations. Contents should be removed completely when dispose of empty containers.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods.
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A

## Section 15: Regulatory Information

OSHA: Not listed TSCA inventory: Listed on the TSCA Inventory. TSCA SNUR: Not listed SARA Title III: Section 302 (Extremely Hazardous Substances): Not listed Section 304 (Hazardous Substances): Not listed Section 313 (TRI Chemicals): Not listed CERCLA Reportable Quantity: Not listed Clean Air Act: This product does not contain any substances regulated as hazardous air pollutants under Section 112 of the Clean Air Act. Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act.

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	12/14/2021 17:14

### Disclaimer

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