

### Section 1: Identification

<b>Common Name/Trade Name</b>	LYSINE HYDROCHLORIDE 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>	L-Lysine HCl	
<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>	Lysine-hydrochloride
<b>Common Name</b>	Lysine Hydrochloride
<b>CAS Number</b>	657-27-2
<b>Impurities and/or Stabilizing Additives</b>	No data available

### Section 4: First Aid Measures

<b>General Advice</b>	No special precautions necessary.
<b>If Inhaled</b>	Keep patient calm, remove to fresh air.
<b>In Case of Skin Contact</b>	Wash thoroughly with soap and water.
<b>In Case of Eye Contact</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
<b>If Swallowed</b>	Rinse mouth and then drink plenty of water.
<b>Most Important Symptoms and Effects</b>	No data available.

### Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Suitable extinguishing media: water, carbon dioxide, foam, dry extinguishing media
<b>Special Hazards Arising From the Substance/Mixture</b>	hydrogen chloride, nitrous gases. The substances/groups of substances mentioned can be released in case of fire.
<b>Special PPE and/or Precautions for Firefighters</b>	Wear a self-contained breathing PPE apparatus. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Avoid dust formation.
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<b>Methods and Materials Used for Containment</b>	Do not empty into drains.
<b>Cleanup Procedures</b>	For small amounts: Sweep/shovel up. For large amounts: Sweep/shovel up.
<b>Section 7: Handling and Storage</b>	
<b>Precautions for Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Protection against fire and explosion: Take precautionary measures against static discharges. Avoid dust formation. The product is capable of dust explosion.
<b>Conditions for Safe Storage</b>	Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

<b>Section 8: Exposure Controls/Personal Protection</b>	
<b>Components with Workplace Control Parameters</b>	None
<b>Appropriate Engineering Controls</b>	General industrial hygiene practice. Handle in accordance with good industrial hygiene and safety practice.
<b>PPE - Eye/Face Protection</b>	Safety glasses with side-shields (frame goggles) (EN 166)
<b>PPE - Skin Protection</b>	Chemical resistant protective gloves (EN 374) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Manufacturer's directions for use should be observed because of great diversity of types.
<b>PPE - Body Protection</b>	Chemical resistant protective gloves (EN 374) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Manufacturer's directions for use should be observed because of great diversity of types.
<b>PPE - Respiratory Protection</b>	Breathing protection if breathable aerosols/dust are formed. Particle filter EN 143 Type P1, low efficiency, (solid particles of inert substances).

<b>Section 9: Physical and Chemical Properties</b>	
<b>Appearance</b>	Form: Granular Color: 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 data available
<b>Vapor Density</b>	No data available
<b>pH</b>	approx. 5,0 - 6,0 (100 g/l)
<b>Relative Density</b>	Bulk density: approx. 650 - 700 kg/m <sup>3</sup>
<b>Melting Point/Freezing Point</b>	263 – 264°C
<b>Solubility</b>	Water solubility approx. 600 g/l (approx. 20°C)
<b>Initial Boiling Point and Boiling Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	No data available
<b>Auto-Ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

<b>Section 10: Stability and Reactivity</b>	
<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	No data available.
<b>Possibility of Hazardous Reactions</b>	Dust explosion hazard. No hazardous decomposition products if stored and handled as prescribed/indicated.
<b>Conditions to Avoid</b>	No data available
<b>Incompatible Materials</b>	No data available.
<b>Hazardous Decomposition Products</b>	Thermal decomposition: >225°C. No hazardous decomposition products if stored and handled as prescribed/indicated.

## Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50/oral/rat: 10.130 mg/kg
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	Primary skin irritation/rabbit: Non-irritant. Primary irritations of the mucous membrane/rabbit: non-irritant.
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available
Carcinogenicity OSHA	No data available
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

## Section 12: Ecological Information

Toxicity	No data available.
Persistence and Degradability	No data available.
Bio-accumulative Potential	Accumulation in organisms is not to be expected.
Mobility in Soil	No data available.
Other Adverse Effects	Other ecotoxicological advice: At the present state of knowledge, no negative ecological effects are expected.

## Section 13: Disposal Considerations

Waste Treatment Methods Product	Observe national and local legal requirements.
Waste Treatment Methods Packaging	Observe national and local legal requirements.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

## Section 14: Transport Information

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

## Section 15: Regulatory Information

Regulations of the European union (Labeling) / National legislation/Regulations EG-Number: 211-519-9 Not subject to labeling
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## Section 16: Other Information

Additional Information	N/A
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