

Section 1: Identification

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

Section 2: Hazards Identification

Classification of Substance or Mixture	Not a hazardous substance or mixture
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	N/A
Ingredient(s) with Unknown Toxicity	N/A

Section 3: Composition/Information on Ingredients

Chemical Name	L-Serine
Common Name	L-Serine
CAS Number	56-45-1
Impurities and/or Stabilizing Additives	N/A

Section 4: First Aid Measures

General Advice	No data available
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In Case of Skin Contact	Wash off with soap and plenty of water.
In Case of Eye Contact	Flush eyes with water as a precaution.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most Important Symptoms and Effects	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising From the Substance/Mixture	Carbon oxides, nitrogen oxides (NOx)
Special PPE and/or Precautions for Firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.
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Methods and Materials Used for Containment	Do not let product enter drains.
Cleanup Procedures	Sweep up and shovel. Keep in suitable, closed containers for disposal.
Section 7: Handling and Storage	
Precautions for Safe Handling	Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for Safe Storage	Store at room temperature. Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection	
Components with Workplace Control Parameters	No data available
Appropriate Engineering Controls	General industrial hygiene practice
PPE - Eye/Face Protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
PPE - Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
PPE - Body Protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
PPE - Respiratory Protection	Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties	
Appearance	Form: powder Colour: white
Upper/Lower Flammability or Explosive Limits	no data available
Odor	no data available
Vapor Pressure	no data available
Odor Threshold	no data available
Vapor Density	no data available
pH	no data available
Relative Density	no data available
Melting Point/Freezing Point	222 °C
Solubility	no data available
Initial Boiling Point and Boiling Range	no data available
Flash Point	no data available
Evaporation Rate	no data available
Flammability (Solid, Gas)	no data available
Partition Coefficient	no data available
Auto-Ignition Temperature	no data available
Decomposition Temperature	no data available
Viscosity	no data available

Section 10: Stability and Reactivity	
Reactivity	no data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	no data available
Conditions to Avoid	no data available
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	no data available

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	no data available
Acute Toxicity - Inhalation	no data available
Acute Toxicity - Dermal	no data available
Acute Toxicity - Eye	no data available
Skin Corrosion/Irritation	no data available
Serious Eye Damage/Irritation	no data available
Respiratory or Skin Sensitization	no data available
Germ Cell Mutagenicity	no data available
Carcinogenicity 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.
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	no data available
Mobility in Soil	no data available
Other Adverse Effects	no data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste Treatment Methods Packaging	Dispose of as unused product.
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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. For this product a chemical safety assessment was not carried out

Section 16: Other Information

Additional Information	N/A
Prepared By	Scarlotte Smith
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