

Section 1: Identification

Common Name/Trade Name	GLYCINE 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)	Glycine	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not classified
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	No additional information available
Ingredient(s) with Unknown Toxicity	Not applicable

Section 3: Composition/Information on Ingredients

Chemical Name	Glycine
Common Name	Glycine
CAS Number	56-40-6
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
If Inhaled	Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Allow the victim to rest.
In Case of Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
In Case of Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Rinse eyes with water as a precaution.
If Swallowed	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Most Important Symptoms and Effects	Not expected to present a significant hazard under anticipated conditions of normal use.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media: Sand. Dry chemical, alcohol-resistant foam, water spray, carbon dioxide. Unsuitable extinguishing media: Do not use a heavy water stream.
Special Hazards Arising From the Substance/Mixture	No additional information available
Special PPE and/or Precautions for Firefighters	Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering environment. Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Emergency procedures: Evacuate unnecessary personnel. Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". Emergency procedures: Ventilate area.
Methods and Materials Used for Containment	Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Collect spillage.
Cleanup Procedures	Methods for cleaning up: Recover mechanically the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. Other information: Dispose of materials or solid residues at an authorized site.

Section 7: Handling and Storage

Precautions for Safe Handling	Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Conditions for Safe Storage	Storage conditions: Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Incompatible products: Strong bases. Strong acids. Incompatible materials: Sources of ignition. Direct sunlight.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Glycine (56-40-6) ACGIH ACGIH TWA (mg/m ³) 10 mg/m ³ OSHA OSHA PEL (TWA) (mg/m ³) 5 mg/m ³
Appropriate Engineering Controls	Ensure good ventilation of the work station. Avoid all unnecessary exposure. Do not eat, drink or smoke during use.
PPE - Eye/Face Protection	Chemical goggles or safety glasses. Safety glasses.
PPE - Skin Protection	Wear protective gloves.
PPE - Body Protection	Wear suitable protective clothing.
PPE - Respiratory Protection	Wear appropriate mask.

Section 9: Physical and Chemical Properties

Appearance	Physical state: Solid. Appearance: Crystalline powder Color: White
Upper/Lower Flammability or Explosive Limits	No data available
Odor	characteristic
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	5.6
Relative Density	No data available
Melting Point/Freezing Point	240 °C
Solubility	Water: 225 g/l
Initial Boiling Point and Boiling Range	No data available
Flash Point	> 176.67 °C Closed cup
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	Log Pow: - 3.2
Auto-Ignition Temperature	No data available
Decomposition Temperature	233 °C
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No additional information available
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	Not established.
Conditions to Avoid	Direct sunlight. Extremely high or low temperatures.
Incompatible Materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	Fume. Carbon monoxide. Carbon dioxide.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 Oral - rat - 7,930 mg/kg ATE US (oral) 7930.000 mg/kg body weight
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	Not classified pH: 5.6
Serious Eye Damage/Irritation	Not classified pH: 5.6
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified Based on available data, the classification criteria are not met
Carcinogenicity IARC	Not classified
Carcinogenicity ACGIH	Not classified
Carcinogenicity NTP	Not classified
Carcinogenicity OSHA	Not classified
Reproductive Toxicity	Not classified. Based on available data, the classification criteria are not met
Specific Target Organ Toxicity - Single Exposure	Not classified
Specific Target Organ Toxicity - Repeated Exposure	Not classified
Aspiration Hazard	Not classified

Section 12: Ecological Information

Toxicity	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Persistence and Degradability	Not established.
Bio-accumulative Potential	Log Pow - 3.2 Bio-accumulative potential Not established.
Mobility in Soil	No additional information available
Other Adverse Effects	Other information: Avoid release to the environment.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose in a safe manner in accordance with local/national regulations.
Waste Treatment Methods Packaging	Avoid release to the environment.
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	No data available

Section 15: Regulatory Information

Glycine (56-40-6) Listed on the United States TSCA (Toxic Substances Control Act) inventory CANADA No additional information available EU-Regulations No additional information available Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Classification according to Directive 67/548/EEC or 1999/45/EC Not classified National regulations No additional information available 15.3. US State regulations Glycine (56-40-6) State or local regulations U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List

Section 16: Other Information

Additional Information	NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given. NFPA fire hazard: 1 - Must be preheated before ignition can occur. NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. HMIS III Rating Health: 1 Slight Hazard - Irritation or minor reversible injury possible Flammability: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB) Physical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
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