
Section 1 - Chemical Product and Company Identification

Common Name: Glycine Ethyl Ester.HCl
Formal Name: Glycine Ethyl Ester Hydrochloride Salt
Chemical Class: Amino Acid Derivative
CAS#: [623-33-6]

Company Address: Synthetech, Inc.
PO Box 646
1290 Industrial Way
City, State, Zip, Country: Albany OR 97322 USA
Phone: 541-967-6575
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Section 2 - Composition/Information on Ingredients

Common Name: Glycine Ethyl Ester.HCl
Formal Name: Glycine Ethyl Ester Hydrochloride Salt
Chemical Purity: 98-100%
CAS#: [623-33-6]

Section 3 - Hazards Identification

Potential Health Effects:

Relevant routes of exposure: Ingested, inhaled, or absorbed

Adverse health effects from exposure to product or ingredients of product: The toxicological properties have not been thoroughly investigated. Acute overexposure may cause irritation of skin, eyes, or respiratory tract.

Section 4 - First Aid Measures

If Accidental Overexposure is Suspected:

In case of contact, flush eyes with copious amounts of water for at least 15 minutes. In case of contact, wash skin with soap and copious amounts of water. If inhaled, remove to fresh air. If ingested, wash mouth out with water. Call a physician immediately. Never administer liquids by mouth to an unconscious person.

Section 5 - Fire Fighting Measures

Flash point and method

Not Applicable

Upper and lower flammable (explosive) limits in air:

Not Applicable

Autoignition temperature:

Not Applicable

Hazardous combustion products:

Thermal decomposition may produce CO and/or CO₂, NO_x and other decomposition products.

Conditions under which flammability could occur:

Not Applicable

Extinguishing media:

Water spray, carbon dioxide, dry chemical powder or polymer foam.

Sensitivity to explosion by mechanical impact:

Not Applicable

Sensitivity to explosion by static discharge:

Not Applicable

Fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing to protect contact with skin and eyes.

Section 6 - Accidental Release Measures

Procedures for dealing with a release or spill:

Spilled material should be swept or absorbed up, placed in a bag, and held for waste disposal. Wear respirator, chemical safety goggles, rubber boots, and chemical resistant gloves. Follow applicable government codes for clean-up and disposal.

Section 7 - Handling and Storage

Handling practices and equipment:

Avoid breathing dust or vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Use only with adequate ventilation.

Appropriate storage practices/requirements:

Keep container closed when not in use. Prior to sealing, purging the headspace of opened containers with an inert gas may help with product stability. Store in a dry, cool, temperature-controlled area.

Section 8 - Exposure Controls/Personal Protection

Applicable control measures, including engineering controls:

Use local ventilation.

Personal protective equipment for each exposure route:

Respirator: Wear government/NIOSH/MSHA approved respirator.

Eye protection: Chemical safety glasses, goggles, or face shield.

Face protection: Chemical resistant gloves.

Other protective clothing/equipment: Wear work clothes with long sleeves to prevent skin contact.

Section 9 - Physical and Chemical Properties

Appearance:	White to Off-White Powder
Molecular weight:	139.58
Physical state:	Solid
pH:	Not Applicable
Vapor pressure and reference temperature:	Not Applicable
Vapor density:	Not Applicable
Boiling point:	Not Applicable
Melting point:	144-154°C
Specific gravity or density:	Not Applicable
Evaporation rate:	Not Applicable
Partition coefficient:	Not Applicable
Odor threshold:	Not Applicable
Viscosity:	Not Applicable

Solubility in water: Poor
Solvent content: <1%
Water content: <1%

Note: The physical data presented above are typical values and should not be construed as a specification.

Section 10 - Stability and Reactivity

Chemical stability: Stable
Conditions to avoid: Avoid excessive heat, light, and air/moisture exposure which may lead to decomposition.
Incompatibility with other materials: Strong oxidizing agents, acids, and bases.
Hazardous decomposition products: Thermal decomposition may produce carbon monoxide and/or carbon dioxide, NOx, and other decomposition products.
Hazardous polymerization: Will not occur.

Section 11 - Toxicological Information

Effects of short-term exposure: No Data Available
Effects of long-term exposure: No Data Available
Irritancy: No Data Available
Sensitization: No Data Available
Carcinogenicity: No Data Available
Reproductive toxicity: No Data Available
Teratogenicity: No Data Available
Mutagenicity: No Data Available
Name of toxicologically synergistic products: No Data Available

Section 12 - Ecological Information

No Data Available

Section 13 - Disposal Considerations

Waste disposal information:
Dispose according to applicable government laws.

Section 14 - Transport Information

Shipping restrictions:
Follow UN and/or DOT shipping requirements.

Section 15 - Regulatory Information

Regulatory concerns:
Follow government requirements.

Section 16 - Other Information

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