

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 9/26/97
Product Name: Glycine
Chemical Formula: C₂H₅NO₂
CAS No.: 56-40-6

SECTION 2: HAZARDOUS INGREDIENTS:

Very dangerous in case of eye contact. Slightly dangerous to dangerous in case of skin contact, of ingestion, of inhalation. This product is an eye irritant. This product may irritate eyes and skin upon contact. Inflammation of the eye is characterized by redness, watering, and itching.

SECTION 3: PHYSICAL DATA

Appearance and Odor:	solid, N/A
Boiling point:(760 mmHg)	Decomposes 233C
Vapor Pressure (mmHg):	N/a
Freezing point:	N/A
Density:	N/A
Solubility:	Soluble in cold water.
Vapor density:	N/A

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	N/A
Flammable limit:	N/A
Extinguishing Media:	Dry chemicals, CO ₂ , water spray or foam. DO NOT USE WATER JET.
Unusual Fire and Explosion Hazards:	none known
LEL:	
UEL:	

SECTION 5: REACTIVITY DATA

Stable X Unstable _____

Incompatibilities:	N/A
Hazardous Decomposition or byproducts:	N/A
Hazardous Polymerization:	N/A

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):
TWA:
Toxicity: LD₅₀: 7930 mg/kg in rats.

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Use appropriate tools to put spilled solid in convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Disposal: see above.

SECTION 8: FIRST AID PROCEDURES

Eyes: Flush with water >15 min. Seek medical attention, DO NOT USE eye ointment.

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Skin: Remove contaminated clothing, place victim under deluge shower while gently washing contaminated skin with COLD water and non-abrasive soap. In case of serious contact, use disinfectant soap and cover contaminated skin with anti-bacterial cream. Seek medical attention.

Inhalation: Remove to fresh air. Seek immediate medical attention.

Ingestion: Remove dentures if any, have conscious person drink several glasses of water or milk. INDUCE VOMITING. Lower head so vomit does not reenter mouth and throat. NEVER give unconscious person anything to ingest.

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SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Keep away from heat and fire sources. Ground all equipment containing material. DO NOT ingest. DO NOT breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or label. Avoid contact with skin and eyes.

Keep tightly closed container in a cool, dry, well ventilated place.

SECTION 10: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosures, local exhaust ventilation, or engineering controls to keep airborne levels below recommended exposure limits.

Eye Protection: Splash goggles

Skin Protection: impermeable gloves, lab coat. In case of large spill, full suit including boots.

Respiration Protection: MSHA/NIOSH approved respirator or equivalent.

SECTION 11: TRANSPORT INFORMATION

DOT classification: not regulated.

HMIS: Health: 2, Fire Hazard:1, Reactivity:0, Personal Protection: c.

WHMIS(Canada): Class D-2B: Material causing other toxic effects.

DSCL(EEC): R36-Irritating to eyes.