

SAFETY DATA SHEET

GLYCINE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Glycine
Catalog Number: GLN001/GLN002

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container. Avoid generating dust.

SECTION 2 HAZARDS IDENTIFICATION

Emergency overview:

GHS Classification:

Not hazardous according to GHS

Potential Health Effects:

Target Organs: None known

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: May cause irritation. May be harmful

Ingestion: May be harmful if swallowed

CHRONIC HEALTH HAZARDS: Not available

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed

Use adequate ventilation. Avoid dust generation..

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Use appropriate exhaust ventilation .

Respiratory protection: use OSHA/MSHA approved dust masks.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	EC-No	%
Glycine	56-40-6	200-272-2	99+

Molecular Formula: C₂H₅NO₂

Molecular Weight: 75.07

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance and Odor: white powder, no odor

Freezing/Melting Point: 233-236 C

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Solubility: soluble

pH: N/A

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Skin: Flush area immediately with plenty of soap and water .

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration .Get medical attention if symptoms persist.

Ingestion: Wash mouth with water.

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure

Conditions to avoid: dust generation. Excess heat

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,

Hazardous Polymerization: Will not occur

SECTION 5 FIRE FIGHTING MEASURES

General Information: Always wear full protective gear in the event of a fire.

Toxic gas and vapors may be generated by decomposition or combustion.

Excessive dust in combination with air can create an explosive mixture.

Flammable: No

Flash Point: N/A

Autoignition Temperature: N/A

SECTION 11 TOXICOLOGICAL PROPERTIES

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Exposure Limits:

LD50 / LC50:

Oral, mouse LD50= 4900 mg/kg

Oral, rat LD50= 7900 mg/kg

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or OSHA

SECTION 12	ECOLOGICAL INFORMATION
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Toxicity:

No information found.

SECTION 13	DISPOSAL CONSIDERATION
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Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14	TRANSPORT INFORMATION
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Shipping Information:

DOT (US): not regulated

IMDG: not regulated

IATA: not regulated

SECTION 15	REGULATORY INFORMATION
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US : TSCA: listed

European/International: Do not breathe dust.. Avoid contact with skin and dust.

Canada: GHS: not controlled

SECTION 16	ADDITIONAL INFORMATION
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Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

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The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.