

# SAFETY DATA SHEET

## GLYCEROL

### 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:** Glycerol  
**Catalog Number:** GLY001/GLY002/GLY003/GLY004

### SECTION 2 HAZARDS IDENTIFICATION

**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 cause respiratory tract irritation when exposed to mist of this product.  
**Ingestion:** May cause irritation of the digestive tract.  
**CHRONIC HEALTH HAZARDS:** Not available

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Glycerol	56-81-5	100

**Molecular Formula:** C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>  
**Molecular Weight:** 92.05

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. If irritation develops get medical aid.  
**Skin:** Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes..  
**Inhalation:** Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen . GET MEDICAL ATTENTION if symptoms develop.  
**Ingestion:** Wash mouth with water. Do not induce vomiting . Get medical aid if irritation or symptoms develop.

### SECTION 5 FIRE FIGHTING MEASURES

**General Information:** Always wear full protective gear in the event of a fire, .toxic gases and vapors may be generated by decomposition or combustion. When heated sufficiently, containers may explode.  
**Flammable:** No  
**Flash Point:** 193C  
**Autoignition Temperature:** 400C  
**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.  
**Explosion Data:** Lower:1.1 Upper : N/A

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Absorb with inert material 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 absorbent material. Collect with an electrically protected vacuum cleaner and place in container for disposal according to local regulations.

### 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 spills and run-off..  
**Storage Conditions:** Room temperature.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: OSHA: 10mg/m<sup>3</sup> TWA  
Use adequate ventilation.  
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:** Local exhaust systems.  
**Respiratory protection:** use OSHA/MSHA approved respirator if OSHA limits are exceeded.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**Appearance and Odor:** clear, no odor  
**Freezing/Melting Point:** -6.7 C  
**Boiling Point:** 290C  
**Specific Gravity:** 1.4746  
**Vapor Density:** 3.17  
**Solubility:** miscible in water  
**pH:** N/A

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### 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:** toxic fumes of, carbon monoxide, carbon dioxide,

**Hazardous Polymerization:** Will not occur

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.

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50 / LC50:

Oral, mouse LD50= 4090 mg/kg

Oral, rat LD50= 12600 mg/kg

Draize test: rabbit , eye: 126 mg Mild

Draize test: rabbit , eye: 500 mg/24hr, mild.

**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

No information found on toxicity, biodegradability, bioaccumulation.

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Observe all Federal, provincial and local regulations.

Dispose of surplus and non-recyclable solutions to a licensed disposal company.

### SECTION 14 TRANSPORT INFORMATION

**Shipping Information:** Not regulated

### SECTION 15 REGULATORY INFORMATION

**US :** TSCA: listed

**European/International:** safety phrases: avoid contact with skin and eyes

**Canada:** WHMIS: not controlled

### SECTION 16 ADDITIONAL INFORMATION

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Date Prepared: Jan 1/2024

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