

# SAFETY DATA SHEET

## BLUO-GAL 5-BROMO-3-INDOLYL-BETA-D GALACTOPYRANOSIDE

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
5480 Mainway  
Burlington, Ontario L7L 4Y8  
1-800-234-1179  
Emergency Telephone No.: 1-905-466-3832  
Chemical Name: BLUO GAL  
Catalog Number: XGB001

### 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. The toxicological properties of this substance have not been fully investigated.  
**Ingestion:** May be harmful if swallowed.  
**CHRONIC HEALTH HAZARDS:** Not available

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
BLUO GAL	97753-82-7	>99%

**Molecular Formula:** C<sub>14</sub>H<sub>15</sub>BrNO<sub>6</sub>  
**Molecular Weight:** 374.2

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. 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.  
**Ingestion:** Wash mouth with water. Do not induce vomiting . GET MEDICAL AID

### 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  
**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 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:** -20C

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed by OSHA  
ACGIH, N/A  
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:** Local exhaust systems. Use fume hood  
**Respiratory protection:** use OSHA/MSHA approved respirator.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** powder  
**Appearance and Odor:** white crystalline  
**Freezing/:** N/A  
**Melting Point:** N/A  
**Boiling Point:** N/A  
**Specific Gravity:** N/A  
**Vapor Density:** N/A  
**Solubility:** not soluble in water  
**pH:** N/A

### 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:** carbon monoxide, carbon dioxide, oxides of sulfur and bromine

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**Hazardous Polymerization:** Will not occur

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

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**

LD50 / LC50:

No data

**Epidemiology:** No data available

**Teratogenicity:** No data available

**Reproductive Effects:** No data available

**Neurotoxicity:** No data available

**Mutagenicity:** No data available

**Carcinogenicity:** No data available

### SECTION 12 ECOLOGICAL INFORMATION

No information found.

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

**Shipping Information:**

**US:** Not regulated

**Canada:** Not regulated

**European Union:** Not regulated

### SECTION 15 REGULATORY INFORMATION

**US:** TSCA: listed

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

**Canada:** WHMIS: not hazardous

### SECTION 16 ADDITIONAL INFORMATION

**Hazard Rating System (estimated)**

NFPA	Health	Fire	Reactivity
	1	0	0

Prepared By: M.Kierdelewicz (President)

Date Prepared: Dec 29/2021

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