

# SAFETY DATA SHEET

## BLEOMYCIN SULFATE

### 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: BLEOMYCIN  
Catalog Number: BLE011

### SECTION 2: HAZARDS IDENTIFICATION

#### GHS Classification:

Germ cell mutagenicity (Category 1B)  
Carcinogenicity (Category 2)  
Reproductive toxicity (Category 2)

#### Pictogram:



Signal word: **Danger**

#### Hazard statement:

H340 May cause genetic defects.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.

#### Precautionary statement:

P201 Obtain special instructions before use.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

#### Potential Health Effects: May cause irritation.

The toxicological properties of this substance have not been fully investigated

**Target Organs:** None known

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation. May be harmful if absorbed through skin.

**Inhalation:** may cause irritation. The toxicological properties of this substance have not been fully investigated.

**Ingestion:** May be harmful if swallowed. The toxicological properties of this substance have not been fully investigated.

**CHRONIC HEALTH HAZARDS:** Not available

### SECTION 3: COMPOSITION/ INGREDIENTS

	CAS #	%
BLEOMYCIN	9041-93-4	>99%

Molecular Formula: N/A

Molecular Weight: N/A

### 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 gases 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:** 4C

### 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.

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**Ventilation:** Local exhaust systems. Use fume hood  
**Respiratory protection:** use OSHA/MSHA approved respirator.

**US :** TSCA: not listed  
**European/International:**  
Not available  
**Canada:** WHMIS: D1A

### 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:** 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, hydrogen chloride, nitrogen oxide.  
**Hazardous Polymerization:** Will not occur

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50 / LC50:  
Not available

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** suspected  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**Carcinogenicity:** suspected

### 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

### SECTION 16 ADDITIONAL INFORMATION

#### Hazard Rating System (estimated)

NFPA	Health	Fire	Reactivity
	3	0	0

Prepared By: M.Kierdelewicz (President)  
Date Prepared: Dec 29/2021  
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