

# SAFETY DATA SHEET

## NEOMYCIN 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:** Neomycin sulfate  
**Catalog Number:** NEO201

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification:

Respiratory sensitisation , Category 1  
Skin sensitisation Category 1

Pictogram;



Signal word: DANGER

#### Hazard statement(s)

H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the work-place.  
P280 Wear protective gloves.  
P284 Wear respiratory protection.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/ container to an approved waste disposal plant.

#### Potential Health Effects

**Potential Health Effects:** May be harmful if swallowed. May cause eye and skin irritation. May cause allergic reactions

**Target Organs:** Eyes, skin respiratory system

**Eyes:** May cause eye irritation.  
**Skin:** may causes skin irritation. May cause allergic reaction.  
**Ingestion:** May be harmful if swallowed. May cause irritation.  
**Inhalation:** May cause irritation. May cause allergic reaction.

**CHRONIC HEALTH HAZARDS:** No information

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Neomycin sulfate	1405-10-3	60%

**Molecular Formula:** C<sub>23</sub>H<sub>46</sub>N<sub>6</sub>O<sub>13</sub>.3H<sub>2</sub>SO<sub>4</sub>  
**Molecular Weight:** 908.9

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes.  
**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. GET MEDICAL ATTENTION .

### SECTION 5 FIRE FIGHTING MEASURES

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

### 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.  
**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.

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**Personal Protection:** Lab coat, safety goggles, rubber gloves.  
**Ventilation:** Local exhaust systems. Use fume hood  
**Respiratory protection:** use OSHA/MSHA approved respirator.

**US :** TSCA: not listed  
**European/International:** N/A  
**Canada:** WHMIS: **D2B**

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid  
**Appearance and Odor:** yellow powder  
**Melting Point:** n/a  
**Boiling Point:** n/a  
**Specific Gravity:** n/a  
**Vapor Density:**  
**Solubility:** Soluble in water  
**pH:** n/a

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable under normal temperatures and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility:** strong oxidizing reagents  
**Hazardous Decomposition Products:** carbon monoxide, carbon dioxide, nitrogen oxides, oxides of sulfur  
**Hazardous Polymerization:** Will not occur

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50 / LC50:  
Oral mouse: LD50=8000 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

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:** Not regulated

### SECTION 15 REGULATORY INFORMATION

### SECTION 16 ADDITIONAL INFORMATION

#### Hazard Rating System

NFPA	Health	Fire	Reactivity
2	0	0	0

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