

MATERIAL SAFETY DATA SHEET

STREPTOMYCIN SULFATE

I IDENTIFICATION:

BioShop Canada Inc.
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Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 1-905-466-3832
Chemical Name: Streptomycin sulfate
Catalog Number: STP101
Molecular Formula: C₄₂H₇₈N₁₄O₂₄H₆O₁₂S₃
Molecular Weight: 1456.84
WHMIS Classification: D2A
TSCA Status: listed

II COMPOSITION/ INGREDIENTS:

	CAS #	%
Streptomycin sulfate	3810-74-0	100%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: Kidneys, central nervous system, auditory system
Eyes: May cause irritation. May cause redness and pain.
Skin: May cause irritation. May be absorbed through skin. May cause sensitization.
Inhalation: May cause irritation to respiratory tract. May cause kidney and auditory damage.
Ingestion: May cause irritation to GI tract. May cause kidney and auditory damage.
CHRONIC HEALTH HAZARDS: May cause kidney and auditory damage. May cause reproductive and fetal effects.
Exposure Limits:
Oral, mouse: LD50=430mg/kg
Oral, rat: LD50= 430mg/kg
Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: No data available

IV FIRST AID MEASURES:

Eyes: Flush eyes with water .
Skin: In case of contact, flush area immediately with water.
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.
Ingestion: Wash mouth with water. Do not induce vomiting. Get medical aid.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No

Flash Point: N/A

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

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure.

Conditions to avoid: avoid dust generation, high temperatures, moisture

Incompatibility: strong oxidizers

Hazardous Decomposition Products: carbon monoxide, oxides of nitrogen, oxides of sulfur, carbon dioxide.

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: solid

Appearance and Odor: white to off-white, slight odor

Melting Point: N/A

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Water Solubility: yes

pH: 4.5-7.0 (10% soln)

VIII PREVENTIVE MEASURES:

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

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

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

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

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing.

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: 4° C

Label Hazard Warning: Avoid eye and skin contact. Avoid inhalation and ingestion.

Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 5/2012

Phone: (800) 234-1179

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