

SAFETY DATA SHEET

PENICILLIN-STREPTOMYCIN solution

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: PENICILLIN-STREPTOMYCIN
Catalog Number: PST999
Recommended use: for research purposes

SECTION 2 HAZARDS IDENTIFICATION

Emergency overview:

GHS Classification:

Respiratory sensitization (Cat1)
Skin sensitization (Cat1)

Pictogram:



Signal word: DANGER

Hazard statement:

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

Precautionary statement:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P280 Wear protective gloves
P342+P311 if experiencing respiratory symptoms. Call a POISON CENTER or doctor/physician.

Potential health effects:

Inhalation: May be harmful if inhaled
Skin: May be harmful if absorbed through skin
Eyes: May cause eye irritation
Ingestion: harmful if swallowed

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Water	7732-18-5	97+
Streptomycin sulfate	3810-74-0	0.5%
Penicillin	69-57-8	0.6%
Trisodium citrate`	6132-04-3	0.74%
Molecular formula: N/A		
Molecular wight: N/A		

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
Skin: Flush area immediately with plenty of soap and water .
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration .Get medical attention if symptoms persist.
Ingestion: Wash mouth with water.

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..
Storage Conditions: -20C.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed
Use adequate ventilation. Avoid spills..
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: Use appropriate exhaust ventilation .
Respiratory protection: use OSHA/MSHA approved dust masks.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance and Odor: clear liquid
Freezing/Melting Point: N/A
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Solubility: soluble
pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure
Conditions to avoid: spills
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,
Hazardous Polymerization: Will not occur

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: Not listed by ACGIH, IARC, NTP, or OSHA

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:

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:

DOT (US): not dangerous

IMDG: not dangerous

IATA: not dangerous

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed
Canada: WHMIS: D2B

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 1/2025
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Observe all federal, provincial and state laws concerning health, safety and pollution.