

SAFETY DATA SHEET

GENTAMYCIN SULFATE, Solution, 50mg/ml

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: Gentamycin sulfate solution
Catalog Number: GTA401
Recommended use: for research purposes only

Molecular Weight: 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 2 HAZARDS IDENTIFICATION

Emergency overview:

GHS Classification:
Respiratory sensitizer (Category 1)
Skin sensitizer (Category 1)

Pictogram



Signal word: Danger

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

Precautionary statement:
P261 Avoid breathing dust/fume/gas/mist/vapors/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: May be harmful if swallowed

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Gentamycin sulfate	1405-41-0	50mg
Water:	7732-18-5	1ml
Molecular Formula:	N/A	

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
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: 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, slightly yellow

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Freezing/Melting Point: N/A
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Solubility: N/A
pH: 3.5-5.5 (5% soln)

SECTION 16	ADDITIONAL INFORMATION
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Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 1/2025
Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.
Observe all federal, provincial and state laws concerning health, safety and pollution.

SECTION 10	STABILITY AND REACTIVITY:
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Stability: Stable under normal temperatures and pressure
Conditions to avoid: dust generation. Excess heat
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,
Hazardous Polymerization: Will not occur

SECTION 11	TOXICOLOGICAL PROPERTIES
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Exposure Limits:

LD50 / LC50:
Oral rat: LD50=>5g/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
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Toxicity:
No information found.

SECTION 13	DISPOSAL CONSIDERATION
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Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14	TRANSPORT INFORMATION
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Shipping Information:

DOT (US): not dangerous
IMDG: not dangerous
IATA: not dangerous

SECTION 15	REGULATORY INFORMATION
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US : TSCA: listed
Canada: WHMIS:, D2B