

SAFETY DATA SHEET

Tunicamycin

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: Tunicamycin
Catalog Number: TUN301

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Acute toxicity, Oral (Category 1)

Pictogram:



Signal word Danger

Hazard statement

H300 – fatal if swallowed

Precautionary statement

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.

P405 store locked up

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS#	%
Tunicamycin	11089-65-9	100

Phosphate buffered saline N/A

Molecular Formula: not applicable

Molecular Weight: not applicable

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water .

Skin: In case of contact, flush area immediately with water. Get medical aid

Inhalation: Remove victim to fresh air. Get medical aid

Ingestion: Wash mouth with water. Get medical aid as soon as possible

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. Respiratory protection is required. Wear protective gloves and protective clothing. Wear safety glasses.

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: store locked up and accessible to qualified personnel
Storage temperature: 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 inhalation exposure..

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

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: white.

Melting Point: 234-235F

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Water Solubility: N/A

pH: N/A

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SECTION 16 ADDITIONAL INFORMATION

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: dust generation

Incompatibility strong oxidizing agents.

Hazardous Decomposition Products: carbon dioxide, carbon monoxide and nitrogen oxides..

Hazardous Polymerization: Has not been reported

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 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Toxicity Data:

LD50 Oral = 1 mg/kg (pig)

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

Carcinogenicity: No data available

To the best of our knowledge, the toxicological properties have not been fully investigated.

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:

TDG UN number: 3462 **Class:** 6.1 **Packing group:** II **Proper shipping name:** TOXINS EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (tunicamycin) **Labels:** 6.1 ERG **Code:** 153 **Marine pollutant:** no

IMDG UN number: 3462 **Class:** 6.1 **Packing group:** II **EMS-No:** F-A, S-A **Proper shipping name:** TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (tunicamycin)

IATA UN number: 3462 **Class:** 6.1 **Packing group:** II **Proper shipping name:** Toxins, extracted from living sources, solid, n.o.s. (tunicamycin)

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

Canada: WHMIS: D2B