

SAFETY DATA SHEET

DOXYCYCLINE HYCLATE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 905-466-3832
Chemical Name: Doxycycline hyclate
Synonym: N/A
Catalog Number: DOX444

SECTION 2 HAZARDS IDENTIFICATION

WHMIS:

D2B toxic material causing other toxic effects
May be harmful if swallowed.
Serious Eye irritant
Moderate skin irritant.

GHS Classification

CLASSIFICATION:

Skin irritant: Category 2
Eye irritant, Category 2A
Acute toxicity: Category 4
Specific target organ toxicity-single exposure- Category 3

PICTOGRAM:



SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H302- Harmful if swallowed
H315- Causes skin irritation
H319- Causes serious eye irritation

PRECAUTIONARY STATEMENTS:

P261-Avoid breathing dust/fume/gas/mist/vapors/spray.
P305+P351+P338- if in eyes: rinse cautiously with water for several minutes.
remove contact lenses if present and easy to do. Continue rinsing.

Potential Health Effects:

Inhalation: may be harmful if inhaled.
Skin: may be harmful if absorbed through skin
Eyes: Causes eye irritation
Ingestion: harmful if swallowed

SECTION 3 COMPOSITION/ INGREDIENTS

Molecular formula: C₂₂H₂₄N₂O₈.HCl.0.5H₂O.0.5C₂H₆O
Molecular weight: 512.94 g/mol

	CAS #	EC-No.	%
Doxycycline hyclate	243920-14-5		100

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water . Consult a physician.
Skin: In case of contact, flush area immediately with water. Get medical aid if irritation persists.
Inhalation: Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician..
Ingestion: Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.

SECTION 5 FIRE FIGHTING MEASURES

Flammability: not flammable
Flash Point: N/A
Autoignition Temperature: not determined
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.

Methods for containment and clean up:

If safe to do so, contain further leakage. Sweep and place in a closed container. Dispose according to local regulations.

SECTION 7 HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature. Keep cool and dry.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

ACGIH, NIOSH, OSHA, none listed
Use adequate ventilation. Avoid dust generation..

Personal protective Equipment: Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.

Engineering Measures: eye wash stations, ventilation systems, showers

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: yellow crystalline powder
Odor: N/A
Odor Threshold: : no information found
Melting Point: 201C
Boiling Point: 685.2C
Specific Gravity: no information found

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Vapor Density: no information found
Vapor pressure: no information found
Water Solubility: soluble in water (50mg/ml)
pH: 2-3
Flammability: No
Flash point: no information found
Ignition temperature: no information found
Autoignition temperature: no information found
Lower explosion limit: no information found
Upper explosion limit: no information found

WHMIS:
D2B, Toxic material Causing Other Toxic Effects
May be harmful if swallowed
Serious eye irritant
Moderate skin irritant

SECTION 16	ADDITIONAL INFORMATION
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Date Prepared: Jan 1/2025
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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 at normal room temperature and pressure
Conditions to avoid: dust generation
Incompatibility strong oxidizing agents, reducing agents.
Hazardous Decomposition Products: fumes of carbon monoxide, carbon dioxide and oxides of nitrogen.
Hazardous Polymerization: Has not been reported

SECTION 11	TOXICOLOGICAL PROPERTIES
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Exposure Limits:

LD50/LC50:
Oral LD50-rat-1700mg/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 CA

SECTION 12	ECOLOGICAL INFORMATION
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Ecotoxicity:
No information found

SECTION 13	DISPOSAL CONSIDERATION
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Waste Disposal: Care should be exercised when burning in chemical incinerator as this substance is flammable.. Observe all Federal, provincial and local regulations.

SECTION 14	TRANSPORT INFORMATION
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Shipping Information:

DOT (US):
Not regulated
IMDG
Not regulated
IATA:
Not regulated

SECTION 15	REGULATORY INFORMATION
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Canada: