

SAFETY DATA SHEET

PROPIDIUM IODIDE

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: Propidium Iodide
Catalog Number: PPI777

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Skin irritation, Category 2
Eye irritation, category 2A
Specific target organ toxicity - single exposure, Category 3



Signal word: WARNING

Hazard Statements:

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/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:

Target Organs: skin, eyes

Eyes: Causes irritation..

Skin: Causes irritation. May cause redness of the skin

Inhalation. May cause irritation to respiratory tract. May cause dizziness, headache.

Ingestion: may cause irritation to GI tract if swallowed in large amounts. May be harmful if swallowed.

CHRONIC HEALTH HAZARDS: may cause nausea and vomiting

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water . If irritation persists get medical aid immediately.

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

Inhalation: Remove victim to fresh air. Get medical aid if irritation, coughing persists.

Ingestion: Wash mouth with water. DO NOT INDUCE VOMITING. Get medical aid if any symptoms appear.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Propidium Iodide	25535-16-4	100%

Molecular Formula: C₂₇H₃₄N₄I₂

Molecular Weight: 668.4

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. 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: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

ACGIH, NIOSH, OSHA, 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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: dark red, odorless

Melting Point: 224-228° C

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Water Solubility: yes

pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure

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Conditions to avoid: dust generation

Incompatibility strong oxidizing agents.

Hazardous Decomposition Products: oxides of nitrogen, carbon oxides, hydrogen iodide.

Hazardous Polymerization: Has not been reported

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:

None listed

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

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: Not regulated

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

Canada: WHMIS: D2B

SECTION 16 ADDITIONAL INFORMATION

Hazard Rating System (estimated)

NFPA	Health	Fire	Reactivity
	1	0	0

Prepared By: M.Kierdelewicz (President)

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