

# 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 #	%
<b>Propidium Iodide</b>	<b>25535-16-4</b>	100%

**Molecular Formula:** C<sub>27</sub>H<sub>34</sub>N<sub>4</sub>I<sub>2</sub>  
**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: Dec 29/2021

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