

# SAFETY DATA SHEET

## PROPIDIUM IODIDE, 1mg/ml solution

### 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, 1mg/ml solution  
**Catalog Number:** PPI888

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification:

Germ cell mutagenicity (Category 2)



**Signal word:** WARNING

#### Hazard Statements:

H341 Suspected of causing genetic defects.

#### Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P308 + P313 IF exposed or concerned: Get medical advice/ attention. P405 Store locked up.

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

#### 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

#### Mixture

	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:** liquid

**Appearance and Odor:** dark red

**Melting Point:** N/A

**Boiling Point:** N/A

**Specific Gravity:** N/A

**Vapor Density:** N/A

**Water Solubility:** yes

**pH:** N/A

### SECTION 10 STABILITY AND REACTIVITY:

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## PROPIDIUM IODIDE, 1mg/ml solution

**Stability:** Stable at normal room temperature and pressure

**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

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:

None listed

**Epidemiology:** No data available

**Teratogenicity:** No data available

**Reproductive Effects:** No data available

**Neurotoxicity:** No data available

**Mutagenicity:** In vitro tests showed mutagenic effects

**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