

# SAFETY DATA SHEET

## POTASSIUM 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:** Potassium Iodide  
**Catalog Number:** POT001

### SECTION 2 HAZARDS IDENTIFICATION

**GHS:**  
Acute toxicity: Oral (category 4)  
Skin irritation (Category 2)  
Eye irritation, (Category 2A)

**Pictogram:**



**Signal Word:** Warning

**Hazard Statements:**  
H302 Harmful if swallowed  
H315 Causes skin irritation  
H319 Causes serious eye irritation

**Precautionary Statements**  
P303+P361+P331- IF ON SKIN: take off immediately all contaminated clothing. Rinse skin with water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. continue rinsing.

**Eyes:** causes irritation..  
**Skin:** causes irritation..  
**Inhalation.** May cause irritation to respiratory tract.  
**Ingestion.:** May be harmful if swallowed.  
**CHRONIC HEALTH HAZARDS:** none known.

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Potassium Iodide	7681-11-0	>98%

### 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 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:** white, odorless  
**Melting Point:** 680° C  
**Boiling Point:** N/A  
**Specific Gravity:** N/A  
**Vapor Density:** N/A  
**Water Solubility:** yes  
**pH:** 6-8 (5% soln)  
**Molecular Formula:** KI  
**Molecular Weight:** 166

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### 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:** Hydrogen Iodide

**Hazardous Polymerization:** Has not been reported

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:

LD50, mouse-1g/kg

Draize test: rabbit-irritating to eyes

**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

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