

# SAFETY DATA SHEET

## POTASSIUM BROMIDE

### 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 Bromide  
**Catalog Number:** POB301/POB333

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification:

Acute toxicity, Oral (Cat 5)  
Skin irritation (Cat 2)  
Eye irritation (Cat 2A)

#### PICTOGRAM:



**SIGNAL WORD: WARNING**

#### Hazard statements:

H303, may be harmful if swallowed  
H315 causes skin irritation  
H319 causes serious eye 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.  
P303+P361+P331- IF ON SKIN: take off immediately all contaminated clothing. Rinse skin with water

**Target Organs:** Non known

**Eyes:** causes irritation..

**Skin:** May cause irritation.

**Inhalation.** May cause irritation to respiratory tract.

**Ingestion:.** May be harmful if swallowed.

**CHRONIC HEALTH HAZARDS:** none known.

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	Purity
Potassium bromide	7758-02-3	≥100%

**Molecular Formula:** KBr  
**Molecular Weight:** 119.0

### 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.

**Hazardous combustion products:** Hydrogen bromide gas, potassium oxides.

**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 to off white

**Melting Point:** 734C

**Boiling Point:** N/A

**density:** 2.7 g/cm3

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**Vapor Density:** N/A  
**Water Solubility:** soluble, >100g/L  
**pH:** 5.0-6.0

Prepared By: M.Kierdelewicz (President)  
Date Prepared: Jan 1/2025  
Phone: (800) 234-1179

### 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:** oxides of carbon, phosphorus, sodium  
**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:

Oral, LD50, rat= 3070 mg/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

No information found.

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

**DOT (US):** Not regulated

**IMDG:** Not regulated

**IATA:** Not regulated

### SECTION 15 REGULATORY INFORMATION

**US :** TSCA: listed  
**Canada:** WHMIS: D2B  
Toxic Material Causing Other Toxic Effects

### SECTION 16 ADDITIONAL INFORMATION

#### Hazard Rating System (estimated)

<b>NFPA</b>	<b>Health</b>	<b>Fire</b>	<b>Reactivity</b>
0	0	0	0