



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Potassium Bromide USP

30-5192

### Section 1: Identification

**Product Name** Potassium Bromide USP  
**Commercial Name** Potassium Bromide  
**Product Use** Chemical Manufacturing  
**Restrictions On Use** N/A

**Product Code** 30-5192

**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

### Section 2: Hazard(s) Identification

**OSHA Haz Com:** Classified as a Hazardous Substance per GHS and EC1272/2008  
**CFR 1910.1200**

**Signal Word** WARNING

**Hazard Statement(s)** Causes skin irritation, Causes serious eye irritation, May cause respiratory irritation  
**Pictogram(s) or Symbol(s)**



#### Precautionary Statement(s):

**Prevention** P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection.

**Response** P302+P352 If on skin: Wash with plenty of soap and water. P304+P340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P335 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P332+P313 If skin irritation occurs: Get medical attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse.

**Storage** P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.

**Disposal** P501: Dispose of contents/container according to applicable federal/state/local regulations.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Potassium Bromide  
**% By Weight** <=100%  
**CAS#** 7758-02-3  
**Molecular Weight** 119.0 g/mol.  
**Chemical Formula** KBr  
**Synonym(s)** Bromide Salt of Potassium, Hydrobromic Acid Potassium Salt

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Potassium Bromide	7758-02-3	<=100%	N/A	N/A

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Immediately remove from exposure area to fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin Contact</b>	Immediately rinse skin with soap and water for at least 15 minutes. Remove contaminated clothing and shoes.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if feeling unwell.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Refer to section 2 for Precautionary Statements, if applicable.
<b>Delayed</b>	Refer to section 2 for Precautionary Statements, if applicable.
<b>Immediate Medical Attention</b>	No information available.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Substance is not flammable, use media most appropriate to extinguish surrounding fire.

**Unsuitable Extinguishing Media**

N/A

**Products of Combustion**

Hydrogen Bromide gas, potassium oxides, halogenated compounds.

**Firefighters Special Equipment and Precautions**

Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) and full protective gear to prevent contact with thermal decomposition products. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

**Section 6: Accidental Release Measures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe locations. Prevent further leakage or spillage if it is safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. See section 13 for disposal considerations.

**Section 7: Handling and Storage**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Store in a tightly closed container. Store between 15-30°C (59-86°F), in a dry, well-ventilated area away from incompatible substances. Hygroscopic.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies. Country: IE, Name of Agent: Dust, non-specific, TWA (notation): 4 mg/m <sup>3</sup> (r) Country: IE, Name of Agent: Dust, non-specific, TWA (notation): 10 (i)
<b>Engineering Controls</b>	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
<b>Personal Protection</b>	Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate gloves to prevent skin exposure. Wear impervious gloves: Nitrile rubber with layer thickness 0.11mm. Clothing: Wear appropriate impervious protective clothing to minimize contact with skin. Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Where protection from nuisance levels of dust are desired use type N95 (US) or type P1 (EN143) dust masks.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White crystalline solid		
<b>Odor</b>	Odorless		
<b>Odor Threshold</b>	Not applicable		
<b>Melting Point</b>	730°C (1346°F)	<b>pH</b>	5.0-6.0
<b>Freezing Point</b>	N/A	<b>Vapor Pressure</b>	< 0.01 hPa (<0.01 mmHg) at 20°C
<b>Boiling Point/Range</b>	1435°C (2615°F)	<b>Vapor Density</b>	No data available
<b>Decomposition temperature</b>	Decomposition temperature:	<b>Viscosity</b>	No data available
<b>Partition Coefficient: n-octanol/water</b>	No data available	<b>Evaporation Rate</b>	No data available
<b>Flash Point</b>	No data available	<b>Autoignition temperature</b>	No data available
<b>Flammability</b>	No data available	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	No data available
		<b>Upper</b>	No data available
<b>Solubility(ies)</b>	Water solubility: 678 g/L @25°C		
<b>Other</b>	Density: 2.75 g/cm <sup>3</sup> @20°C		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	N/A
<b>Chemical Stability</b>	Stable under normal conditions of use and storage.
<b>Hazardous Polymerization</b>	N/A
<b>Conditions to Avoid</b>	Exposure to moisture
<b>Incompatible Materials</b>	Strong oxidizing agents, strong acids, heavy metals salts, Aluminum, Potassium, Halogenated hydrocarbons
<b>Hazardous Decomposition Products</b>	No data available

**Section 11: Toxicological Information**

<b>RTECS</b>	TS7650000
<b>Acute Toxicity</b>	
LD50/LC50: LD50: Oral - rat – 3070 mg/kg.	
<b>Skin Corrosion/Irritation</b>	
N/A	
<b>Serious Eye Damage/Irritation</b>	
N/A	
<b>Respiratory or Skin Sensitization</b>	
N/A	
<b>Germ Cell Mutagenicity</b>	
Laboratory experiments have shown mutagenic effects.	
<b>Carcinogenicity</b>	
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.	
<b>Reproductive Toxicity</b>	
No data available	
<b>Routes of Entry</b>	
Sense Organs and Special Senses (Nose, Eye, Ear, and Taste)	



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### Symptoms Related to Exposure

Behavioral: Somnolence (general depressed activity). Behavioral: Ataxia

### Potential Health Effects

To the best of our knowledge the associated physical, chemical and toxicological properties of this chemical have not undergone thorough investigation, all known information is contained in this SDS.

**Target Organ(s)** Specific target organ toxicity- single exposure: Inhalation - May cause respiratory irritation.

## Section 12: Ecological Information

### Ecotoxicity

Harmful to aquatic life LC50-Phimephales promelas (fathead minnow) = >30 mg/l- 96 h

### Persistence and Degradability

No data available

### Bioaccumulative Potential

No data available

### Mobility in Soil

No data available

### Other Adverse Effects

PBT/vPvB Assessment not available, chemical safety assessment not required/conducted. Environmental hazard cannot be completely ruled out in the event of unprofessional handling or disposal. Harmful to aquatic life.

## Section 13: Disposal Considerations

### Waste Disposal

Dispose of in a manner consistent with Federal, State, and Local Regulations. Do not discharge to drains, sewage systems, or the environment.

### Disposal of Container

N/A

### Other Considerations

N/A

## Section 14: Transport Information

### DOT Classification

US DOT, IATA, IMDG, ADR: Not Dangerous Goods

## Section 15: Regulatory Information

### Regulations

TSCA: CAS# 7758-02-3 is listed on the TSCA inventory. SARA: SARA 302 : Not subject to reporting requirements of SARA Title III, Section 302. SARA 313 : This material does not contain any chemicals components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313. SARA 311/312 : Acute Health Hazard, Chronic Health Hazard  
STATE SPECIFIC: Massachusetts Right to Know Components : No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right to Know Components : Potassium bromide CAS# 7758-02-3 New Jersey Right to Know Components : Potassium bromide CAS# 7758-02-3 California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### Other

N/A

## Section 16: Other Information

NFPA Rating Health Hazard: 2 Fire Hazard: 0 Reactivity Hazard: 0 HMIS Rating Health: 2 Fire: 0 Reactivity: 0 Personal: Not available