

# Material Safety Data Sheet

## Potassium Bromide

ACC# 19280

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Potassium Bromide

**Catalog Numbers:** AC424070030, S80134, S80134-1, P205 3, P205 500, P205-3, P205-500, P2053, P205500, P227 25, P227-25, P22725, S801341

**Synonyms:** Hydrobromic Acid Potassium Salt; Bromide Salt of Potassium.

**Company Identification:**

Fisher Scientific  
1 Reagent Lane  
Fairlawn, NJ 07410

**For information, call:** 201-796-7100

**Emergency Number:** 201-796-7100

**For CHEMTREC assistance, call:** 800-424-9300

**For International CHEMTREC assistance, call:** 703-527-3887

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7758-02-3	Potassium bromide	100	231-830-3

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: colorless to white. **Caution!** May cause respiratory tract irritation. Hygroscopic. Moisture sensitive. May cause central nervous system depression. May cause eye and skin irritation. May cause digestive tract irritation with nausea, vomiting, and diarrhea.

**Target Organs:** Central nervous system.

**Potential Health Effects**

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause effects similar to those of acute inhalation.

**Inhalation:** May cause respiratory tract irritation. May cause effects similar to those described for ingestion.

**Chronic:** Chronic ingestion may cause effects similar to those of acute ingestion. Prolonged exposure may cause mental changes such as hallucinations, depression, psychosis, and possibly coma.

### Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower lids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Remove contaminated clothing and shoes.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

## Section 5 - Firefighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.

**Extinguishing Media:** Use extinguishing media most appropriate for the surrounding fire. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Autoignition Temperature:** Not applicable.

**Flash Point:** Not applicable. (estimated) Health: 0; Flammability: 0; Reactivity: 0 Explosion Limits, Lower: Not available. Upper: Not available.

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not expose spill to water.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes. Do not ingest or inhale.

**Storage:** Store in a cool, dry place. Store protected from moisture.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Potassium bromide	none listed	none listed	none listed

**OSHA Vacated PELs:** Potassium bromide: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**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.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid  
**Appearance:** colorless to white  
**Odor:** odorless  
**pH:** Neutral in solution.  
**Vapor Pressure:** Not applicable.  
**Vapor Density:** Not applicable.  
**Evaporation Rate:**  
**Viscosity:** Not applicable.  
**Boiling Point:** 1435 deg C  
**Freezing/Melting Point:**734 deg C  
**Decomposition Temperature:**Not available.  
**Solubility:** Soluble in water.  
**Specific Gravity/Density:** 2.75  
**Molecular Formula:**KBr  
**Molecular Weight:**

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials, moisture.  
**Incompatibilities with Other Materials:** Strong oxidizing agents; strong acids; heavy metal salts Reacts violently with bromine trifluoride.  
**Hazardous Decomposition Products:** Hydrogen bromide, oxides of potassium.  
**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:**  
**CAS#** 7758-02-3: TS7650000  
**LD50/LC50:**  
Not available.

**Carcinogenicity:**  
CAS# 7758-02-3: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.  
**Epidemiology:** No information available.  
**Teratogenicity:** No information available.  
**Reproductive Effects:** No information available.  
**Neurotoxicity:** No information available.  
**Mutagenicity:** No information available.  
**Other Studies:** No data available.

## Section 12 - Ecological Information

**Ecotoxicity:** Not available.  
**Environmental Fate:** Not available.  
**Physical/Chemical:** Not available.  
**Other:** Not available.

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.  
**RCRA D-Series Maximum Concentration of Contaminants:** None listed.  
**RCRA D-Series Chronic Toxicity Reference Levels:** None listed.  
**RCRA F-Series:** None listed.  
**RCRA P-Series:** None listed.  
**RCRA U-Series:** None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
<b>Shipping Name:</b>	No information available.	No information available.	No information available.	No information available.	No information available.
<b>Hazard Class:</b>					
<b>UN Number:</b>					
<b>Packing Group:</b>					

Section 15 - Regulatory Information

**US FEDERAL**

**TSCA**

CAS# 7758-02-3 is listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

**SARA**

**Section 302 (RQ)**

None of the chemicals in this material have an RQ.

**Section 302 (TPQ)**

None of the chemicals in this product have a TPQ.

**SARA Codes**

CAS # 7758-02-3: acute, chronic.

**Section 313**

No chemicals are reportable under Section 313.

**Clean Air Act:**

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 7758-02-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations**  
**European Labeling in Accordance with EC Directives**

**Hazard Symbols:**

Not available.

**Risk Phrases:**

**Safety Phrases:**

**WGK (Water Danger/Protection)**

CAS# 7758-02-3: 1

**Canada**

CAS# 7758-02-3 is listed on Canada's DSL/NDSL List.

This product has a WHMIS classification of D2B.

CAS# 7758-02-3 is not listed on Canada's Ingredient Disclosure List.

**Exposure Limits**

<b>Section 16 - Additional Information</b>
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**MSDS Creation Date:** 3/15/1995

**Revision #21 Date:** 7/09/1998

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