Material Safety Data Sheet
Potassium bromide

Section 1 - Chemical Product and Company Identification

MSDS Name:
Potassium bromide

Catalog Numbers:
LC18781

Synonyms:
None

Company Identification:
LabChem, Inc.
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:
(412) 826-5230

Emergency Phone Number:
(800) 424-9300

CHEMTREC Phone Number:
(800) 424-9300

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>7758-02-3</td>
<td>Potassium bromide</td>
<td>100</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

Emergency Overview

Appearance: Colorless crystals.

Caution! This is expected to be a low hazard for usual industrial handling.

Target Organs: Central nervous system.

Potential Health Effects

Eye:
May cause eye irritation.

Skin:
May cause skin irritation.

Ingestion:
May cause irritation of the digestive tract.

Inhalation:
May cause respiratory tract irritation.

Chronic:
Repeated ingestion of bromide salts may cause pain in swallowing, weight loss, dehydration, constipation. Prolonged contact may cause irritation to eyes and skin.
Section 4 - First Aid Measures

Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:
Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:
Get medical aid at once. If victim is conscious, give 2-4 glasses of water.

Inhalation:
Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:
Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:
Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

Extinguishing Media:
For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:
No information found.

Flash Point:
No information found.

NFPA Rating:
CAS# 7758-02-3: Not published.

Explosion Limits:
Lower:  Upper:

Section 6 - Accidental Release Measures

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

Spills/Leaks:
Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.

Section 7 - Handling and Storage

Handling:
Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.
Material Safety Data Sheet  
Potassium bromide

Storage:
Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**
Provide local exhaust or general dilution ventilation.

**Exposure Limits:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium bromide</td>
<td>None of the components are on this list.</td>
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</tr>
</tbody>
</table>

**OSHA Vacated PELs:**

**Personal Protective Equipment**

**Eyes:**
Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

**Skin:**
Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**
Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**
Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode. Any type "C" supplied air respirator operated in pressure demand mode.

Section 9 - Physical and Chemical Properties

- **Physical State:** Crystals.
- **Color:** Colorless.
- **Odor:** Odorless.
- **pH:** neutral
- **Vapor Pressure:** No information found.
- **Vapor Density:** No information found.
- **Evaporation Rate:** No information found.
- **Viscosity:** No information found.
- **Boiling Point:** 1435°
- **Freezing/Melting Point:** 734°
- **Decomposition Temperature:** No information found.
- **Solubility in water:** Soluble.
- **Specific Gravity/Density:** 2.75
- **Molecular Formula:** KBr
- **Molecular Weight:** 119.01
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.

**Hazardous Decomposition Products:**
Oxides of potassium, bromine fumes, bromides.

**Hazardous Polymerization:**
Has not been reported.

Section 11 - Toxicological Information

**RTECS:**
CAS# 7758-02-3: TS7650000.

**LD50/LC50:**
CAS# 7758-02-3:
LD50: 3120mg/kg oral - mouse; 3070mg/kg oral - rat

**Carcinogenicity:**
CAS# 7758-02-3: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**Epidemiology:**

**Teratogenicity:**

**Reproductive:**

**Mutagenicity:**

**Neurotoxicity:**

Section 12 - Ecological Information

No information found.

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

**US DOT**
Shipping Name: Not regulated.
Material Safety Data Sheet
Potassium bromide

Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

US Federal
TSCA:
CAS# 7758-02-3 is listed on the TSCA Inventory.
SARA Reportable Quantities (RQ):
None of the components are on this list.
CERCLA/SARA Section 313:
None of the components are on this list.
OSHA - Highly Hazardous:
None of the components are on this list.

US State
State Right to Know:
California Regulations:

European/International Regulations
Canadian DSL/NDSL:
CAS# 7758-02-3 is listed on Canada's DSL List.
Canada Ingredient Disclosure List:
CAS# 7758-02-3 is listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: December 3, 2004
Revision Date: September 10, 2008

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