



Material Safety Data Sheet

Bromate-bromide 0.1N - 0.5N

Section 1 - Chemical Product and Company Identification

MSDS Name:

Bromate-bromide 0.1N - 0.5N

Catalog Numbers:

LC11950, LC11970

Synonyms:**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

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
7758-02-3	Potassium bromide	1-5.5
7758-01-2	Potassium bromate	0.27-1.4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Colorless

May cause eye and skin irritation. May cause respiratory tract irritation.

Target Organs: Noneknown.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.



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Ingestion:

Abdominal pain, nausea, vomiting, hemorrhage; central nervous system depressant, may lead to coma and death from respiratory paralysis.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis. Repeated ingestion of bromide salts may cause pain in swallowing, weight loss, dehydration, constipation.

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. Give oxygen if respiration is depressed.

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# 7732-18-5: Not published.

CAS# 7758-02-3: Not published.

CAS# 7758-01-2: Not published.

Explosion Limits:

Lower: Upper:

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.



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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.

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

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Potassium bromide	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Potassium bromate	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

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:

Not required for normal use. 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: Clear liquid

Color: Colorless

Odor: Odorless

pH: Neutral

Vapor Pressure: No information found.

Vapor Density: No information found.

Evaporation Rate: No information found.



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Viscosity: No information found.

Boiling Point: No information found.

Freezing/Melting Point: No information found.

Decomposition Temperature: No information found.

Solubility in water: Soluble.

Specific Gravity/Density: No information found.

Molecular Formula: No information found.

Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Combustible materials, reducing agents.

Incompatibilities with Other Materials

No information found.

Hazardous Decomposition Products

Oxygen, oxides of potassium, bromine, bromides.

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 7758-02-3: TS7650000.

CAS# 7758-01-2: EF8725000.

LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 7758-02-3:

No information found. CAS# 7758-01-2:

Oral, mouse: LD50 = 289 mg/kg

Oral, rat: LD50 = 321 mg/kg.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

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

CAS# 7758-01-2

ACGIH: Not listed.

California: carcinogen; initial date 1/1/90

NIOSH: Not listed.

NTP: Not listed.

OSHA: Possible Select carcinogen

IARC: Group 2B



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Epidemiology:

Potassium bromate--may cause irritation to eyes, skin, mucous membranes. A central nervous system depressant.
Poisoning may affect the blood. Potassium bromide-- may cause irritation to eyes and skin. A central nervous system depressant.

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.

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal**TSCA**

CAS# 7732-18-5 is listed on the TSCA Inventory.

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

CAS# 7758-01-2 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ)

None of the components are on this list.

CERCLA/SARA Section 313

This material contains Potassium bromate (CAS# 7758-01-2, 0.27-1.4%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

OSHA - Highly Hazardous

None of the components are on this list.

US State



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State Right to Know

Potassium bromate can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

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

CAS# 7758-01-2 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 7758-02-3 is listed on Canada's Ingredient Disclosure List.

CAS# 7758-01-2 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: February 8, 1998

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