

MATERIAL SAFETY DATA SHEET

Bromide-Bromate 0.1 Normal

SECTION 1 . Product and Company Identification

Product Name and Synonym: Bromide-Bromate 0.1 Normal
Product Code: 1360
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 5/28/2013
Print Date: 5/28/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1
Flammability:	0
Reactivity:	0

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4
NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Potassium Bromate	CAS# 7758-01-2	1%	W/V	TXDS: orl-rat LD ₅₀ : 321 mg/Kg
<input type="checkbox"/>	Potassium Bromide	CAS# 7758-02-3	<0.2%	W/V	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. If symptoms persist, seek medical aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

If large amounts are swallowed give water to drink and seek medical aid.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: None Known.

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Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Flush to drain with excess water.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~0° C	Percent Volatile by Volume:	>98
Boiling Point:	~100° C	Evaporation Rate	~1
Vapor Pressure:	not available	Evaporation Standard	Water =1
Vapor Density:	not available	Auto Ignition Temp	N/A
Solubility in Water:	not available	Lower Flamm. Limit in Air	N/A
Appearance /Odors:	Clear colorless solution / no odor	Upper Flamm. Limit in Air	N/A
Flash Point:	not flammable		
Specific Gravity:	~1.0		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: None known

Materials to Avoid: Soluble silver salts

Hazardous Decomposition Products: Potassium and bromine oxides

Hazardous polymerization: Will Not Occur

Conditions to Avoid: None known

SECTION 11 Toxicological Information

Potassium bromate: oral rat LD50: 321 mg/kg; investigated as tumorigen, mutagen.

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-----\Cancer Lists\-----

	---NTP Carcinogen---		
Ingredient	Known	Anticipated	IARC Category
Potassium Bromide (7758-02-3)	No	No	None
Potassium Bromate (7758-01-2)	No	No	2B
Water (7732-18-5)	No	No	None

SECTION 12 Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

-----\Chemical Inventory Status - Part 1\-----

	TSCA	EC	Japan	Australia
Potassium Bromide (7758-02-3)	Yes	Yes	Yes	Yes
Potassium Bromate (7758-01-2)	Yes	Yes	Yes	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----

	--Canada--			
Ingredient	Korea	DSL	NDSL	Phil.
Potassium Bromide (7758-02-3)	Yes	Yes	No	Yes
Potassium Bromate (7758-01-2)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----

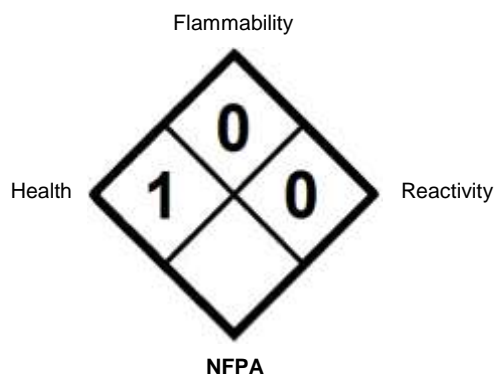
	-SARA 302-		-----SARA 313-----	
Ingredient	RQ	TPQ	List	Chemical Catg.
Potassium Bromide (7758-02-3)	No	No	No	No
Potassium Bromate (7758-01-2)	No	No	Yes	No
Water (7732-18-5)	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----

	-RCRA- -TSCA-		
Ingredient	CERCLA	261.33	8(d)
Potassium Bromide (7758-02-3)	No	No	No
Potassium Bromate (7758-01-2)	No	No	No
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

SECTION 16 Additional Information



Revisions

4/8/2013	0.1	Revised to 16 sections LS
3/4/2009	0	Creation date LS

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