

# SAFETY DATA SHEET

## SECTION 1 MATERIAL NAME / IDENTIFIER

**Bromaid** **WHMIS:** Not regulated under WHMIS. It is a registered pest control product under (PCP).

**Manufacturer's Name:** CAPO INDUSTRIES LTD  
**Street Address:** 1200 CORPORATE DRIVE  
**City:** BURLINGTON, ONTARIO  
**Postal Code:** L7L 5R6

**Emergency Telephone:** Canutec (613) 996-6666 (Collect)

**Chemical Name:** Sodium Bromide Solution  
**Chemical Family:** Inorganic Salt  
**Chemical Formula:** NaBr  
**Trade Name & Synonyms:** Not applicable  
**Molecular Weight:** Not applicable  
**Material Use:** Spa disinfectant

## SECTION 2 HAZARDS IDENTIFICATION

**GHS classification:** None  
**Symbol(s):** None  
**Signal Word** None  
**Hazard statements** None  
**Precautionary statements** None

## SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS#	% Concentration
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No regulated components

## SECTION 4 FIRST AID MEASURES

**Inhalation:** Remove person to fresh air. If breathing is difficult give artificial respiration and seek medical attention.  
**Skin Contact:** Wash hands thoroughly with soap and water.  
**Eye Contact:** Flush eyes with copious amounts of water for 15 minutes. Seek medical attention.

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**Ingestion:** Drink 2 or 3 glasses of water. Do not induce vomiting, and contact a physician.

**Note to physicians** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## SECTION 5 FIRE – FIGHTING MEASURES

**Hazardous Combustion Products:** Above 500°C toxic bromine fumes are released.

**Unusual Fire or Explosion Hazards:** Not applicable

**Sensitivity to Mechanical Impact:** None

**Rate of Burning:** Not applicable

**Explosive Power:** Not applicable

**Sensitivity to Static Discharge:** None

**Fire Extinguishing Media:** Use media appropriate for surrounding fire.

**Instructions to the Fire Fighters:** Cool containers exposed to fire with water spray.

**Fire Fighting Protective Equipment:** Wear full protective clothing and a NIOSH approved self-contained breathing apparatus in positive pressure mode.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Leak And Spill Procedure:** Avoid dispersal of spilled material into contact with waterways, drains, sewers and soil. Move containers from spill area. Absorb spill with synthetic or natural absorbent and sweep into a clean, dry and labelled container for disposal.

## SECTION 7 HANDLING AND STORAGE

### HANDLING

**Handling Practices:** Avoid prolonged skin contact. Wash hands thoroughly after use. Wear gloves and safety glasses when handling.

**Ventilation Requirements:** Use in a well ventilated area.

### STORAGE

**Ventilation Requirements:** Store in a cool, dry area.

**Storage Requirements:** Keep away from direct sunlight. Keep away from incompatible materials, food and drink. Keep containers closed when not in use. Store containers upright to prevent leakage.

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## SECTION 8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS

**Engineering Controls:** Local exhaust ventilation to keep airborne concentrations below the exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**Skin (Specify):** Butyl or natural rubber gloves if skin contact is likely.

**Eye (Specify):** Safety glasses/goggles if eye contact is likely.

**Respiratory (Specify):** None under normal conditions. If exposure to airborne concentrations is above exposure limits wear a self-contained breathing apparatus.

**Other (Specify):** Eye wash and shower stations are close to work area.

## SECTION 9

## PHYSICAL DATA FOR MATERIAL

**Physical State:** Gas                      Liquid                      X                      Solid

**Odour & Appearance:** Clear blue liquid, odourless

**Odour Threshold (ppm):** Not applicable

**Flammability:**    Yes    No                      X

**If Yes, Under Which Conditions?:**

**Auto Ignition Temperature (Celsius):** Use media appropriate for surrounding fire.

**Upper Explosion Limit (% By Volume):** Not applicable

**Lower Explosion Limit (% By Volume):** Not applicable

**Decomposition Temp (°C)**                      Above 500°C

**Specific Gravity:**    1.360

**Viscosity:**    Not available

**Vapour Pressure (mm):**    Not applicable

**Vapour Density (Air-1):**    Not applicable

**Flashpoint (°C)**    Not applicable

**Evaporation Rate**    Not applicable

**Boiling Point (°C):**    100°C

**Freezing Point (°C):**    0°C

**Solubility In Water (20°C):**    Soluble

**% Volatile (By Weight)**    65%

**PH:**    6 - 8

**Coefficient Of Water/Oil Distribution:**                      Not applicable

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## SECTION 10 STABILITY AND REACTIVITY

**Chemical Stability:** Yes  No

**If No, Under Which Conditions?:**

**Incompatibility To Other Substances:** Yes  No

**If So, Which Ones:** Acids, strong oxidants and heavy metal salts.

**Conditions to Avoid:** Will react violently with bromine trifluoride.

**Hazardous Decomposition Products:** Bromine fumes

## SECTION 11 TOXICOLOGICAL INFORMATION

### ACUTE HEALTH EFFECTS

**Inhalation:** None under normal conditions. Mists may be irritating to the respiratory tract.

**Skin Contact:** Slightly irritating to the skin

**Eye Contact:** Slightly irritating to the eyes.

**Ingestion:** Stomach upset and nausea.

**CHRONIC HEALTH EFFECTS:** None

**Other Health Effects:** Prolonged skin contact may cause mild irritation.

**LD 50 of Material (Specify Species and Routes):** ATEmix: 12004.8mg/kg, Oral (Rat), >2000 mg/kg, Oral (Rabbit)

**LC 50 of Material (Specify Species and Routes):** Not available

**Exposure (Limits):** Not available

**Irritancy of Material** Mild skin, eye and respiratory tract irritant.

**Sensitization of Material** None known

**Synergistic Materials** None known

**Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity:** None known

## SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity** Sodium Bromide is an inorganic salt, which fully dissociates in aquatic environment to bromide and sodium ions. It also undergoes degradation in soil to bromide ion (no further degradation or biodegradation will occur).

### Sodium Bromide

**96 h, LC50 Fish:** >1000 mg/l (rainbow trout)  
>1000 mg/l (bluegill sunfish)

**48 h, EC50, Daphnia magna:** >1000 mg/l

**Oral LD50, Bobwhite quail:** >2250 mg/kg

**Dietary LC50, Mallard duck:** >5633 ppm

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Dietary LC50, Bobwhite quail: >5633 ppm

## Environmental Fate

**Biodegradability:** Not relevant for inorganic salts.  
**Bioaccumulative Potential:** Not expected to bioaccumulate. BCF=0.23-1.41  
**Mobility In Soil:** Not relevant for inorganic salts.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose absorbed material in accordance with federal, provincial and local regulations.  
**Safe Handling of Residues:** Flush residue with copious amounts of water.  
**Disposal of Packaging:** Dispose containers in accordance with federal, provincial and local regulations.

## SECTION 14 TRANSPORTATION INFORMATION

### CANADIAN TDG ACT SHIPPING DESCRIPTION:

**Proper shipping name:** Not regulated  
**Class:** Not applicable  
**Packing group:** Not applicable  
**UN:** Not applicable

### US DOT CLASSIFICATION (49CFR 172.101, 172.102)

**Proper shipping name:** Not regulated  
**Class:** Not applicable  
**Packing group:** Not applicable  
**UN:** Not applicable

## SECTION 15 REGULATORY INFORMATION

**CANADA** Listed in DSL.

**PCP:** This product is a registered pesticide.

**USA** Reported in the EPA TSCA Inventory. This product is registered under FIFRA.

**INTERNATIONAL** Reported in EINECS(Europe), listed in AICS(Australia), NZIoC(New Zealand), IECSC(China), ECL KE-31368 (Korea), PICCS(Philippines), and ENCS no. 1-113, ISHL no. 1-113(Japan)

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## SECTION 16

## OTHER INFORMATION

Prepared By (Group, Department, Etc.):

Quality Control

Telephone:

(905) 332-6626

Preparation Date:

November 16, 2016

Date Revised:

December 1, 2018

Additional Notes Or References:

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