

SAFETY DATA SHEET

Date issued : 06/10/2024

SDS number : Life BROMINE BOOST - Canada

Life BROMINE BOOST

1. Identification

Product identifier: Life BROMINE BOOST
Relevant identified uses: Bromine Enhancer.

Distributor

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

Emergency telephone number (24 hour)

24 Hour Emergency Phone Number: 1-888-670-7665

2. Hazard identification

Label elements

This product is not classified as hazardous according to the Globally Harmonized System (GHS)

Precautionary statement(s)**Supplemental label elements:**

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

Potential health effects

Ingestion: May be harmful if swallowed.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Sodium Bromide	99	7647-15-6

4. First-aid measures

Eye: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. See a doctor immediately.

Skin: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically. No specific antidote available. Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire-fighting measures

Flammable class: Not combustible.

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Fire fighting procedures: Cool containers with water spray. In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.

Hazardous decomposition products: Will decompose from 800 deg C releasing poisonous and corrosive fumes of hydrogen bromide and sodium oxide.

6. Accidental release measures

General procedures: Sweep up and place in bag. Hold for waste disposal or possible re-use. Ventilate area and wash spill site after material pickup is complete.

Release notes: Prevent entry into sewers and watercourses.

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Special protective equipment: Use dust respirator, rubber gloves and chemical safety goggles.**Comments:** Avoid raising dust.

7. Handling and storage

Precautions for safe handling: Avoid bodily contact. Keep containers tightly closed.**Conditions for safe storage:** Store in a cool, dry, well-ventilated area away from incompatible materials.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Sodium Bromide	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[1]	[1]
Footnotes:				
1. Not established.				

Appropriate engineering controls: Use with adequate ventilation.**Individual protection measures, such as personal protective equipment****Eye / face protection:** Chemical goggles.**Skin protection - hand protection:** Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Respiratory protection: In case of significant or accidental dust emissions, dust mask should be worn.**Skin protection - other:** Body covering clothes and boots.**Occupational hygiene practices:** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly before eating or smoking. Safety shower and eye bath should be provided.

9. Physical and chemical properties

Physical state: Solid**Appearance:** White crystalline granules**Odor:** None.**pH:** Not Available**Melting point:** 755°C**Freezing point:** N/A**Initial boiling point and boiling range:** 1390°C**Flash point:** Not Flammable**Explosion limit / flammability limit notes:** Non-flammable.**Vapor pressure:** 1 mm Hg @ 806 deg C**Relative vapor density:** N/A**Relative density:** 3.203**Solubility:** 94.6 g / 100 ml @ 25 deg C

10. Stability and reactivity

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Reactivity: Reacts explosively with bromine trifluoride.

Dangerous polymerization: Will not occur.

Chemical stability: Stable under normal conditions. The powder tends to cake under normal storage conditions.

Conditions to avoid: Heating above decomp temperature of 800 deg C.

Possibility of hazardous reactions: Not expected to occur.

Hazardous decomposition products: Hydrogen bromide and sodium oxide. Bromine fumes.

Incompatible materials: Strong acids, strong oxidants, heavy metal salts.

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD₅₀: > 2000 mg/kg - Rabbit

Acute oral toxicity LD₅₀: 4200 mg/kg - Rat

Germ cell mutagenicity: Does not induce DNA repair in cultured human epithelial cells. Not clastogenic in human lymphocytes metaphase analysis. Not mutagenic by the Ames test.

Reproductive toxicity: Sodium bromide has been shown to cause embryo-fetal toxicity and malformations in rats at dose levels which also produce maternal toxicity. The No-Observed Effect Level (NOEL) is 100 mg/kg per day, and the acceptable daily intake (ADI) for sodium bromide from food and drinking water in humans is 1 mg/kg per day. Comparable high doses of sodium chloride (table salt) similarly cause malformation, embryo-fetal toxicity, and maternal toxicity in mice.

12. Ecological information

Aquatic toxicity, both acute and chronic

96-hour LC₅₀: > 1000 mg/L (Rainbow Trout)

48-hour EC₅₀: > 1000 mg/L (Daphnia Magna)

Bioaccumulative potential: This product is not expected to bioaccumulate.

Environmental data: 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.)

Other adverse effects: Avian Toxicity: Oral LD50 >2250 mg/kg (Bobwhite Quail)
Dietary LC50 >5633 ppm (Mallard Duck)

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not Regulated.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

313 reportable ingredients: No reportable chemicals.

TSCA (The Toxic Substances Control Act)

TSCA Status: All ingredients in this mixture are in compliance with TSCA.

16. Other information

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