

**Product name** Clear Spa<sup>104</sup> Spa Solutions Bromo Boost**Revision date** 6-11-15**Product ID:** Bromo Boost**Chemical Name:** Sodium Bromide**Synonyms:** Sodium Bromide**Chemical Formula:** NaBr**CAS Number:** 7647-15-6**Product Use:** Pool Algaecide**Supplier:** Oreq Corporation  
42306 Remington Avenue  
Temecula, CA 92590  
951-296-5076**Emergency Phone#** Chemtrec: 1-800-424-9300**GHS classification** Not Classified**Labels and other form of warning** Not Classified

Components	CAS No.	Weight %
Sodium Bromide	7647-15-6	98-100

**Eye contact** Hold eye 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.**Skin contact** Take off contaminated clothing.  
Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.**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.**Ingestion** Call poison control center, or doctor immediately for treatment advise.  
Have person sip a glass of water if able to swallow.  
Do not induce vomiting unless told to do so by the poison control center or doctor.  
Do not give anything by mouth to an unconscious person.**Most important symptoms and effects, acute or delayed****Note to physician** None known  
No specific antidote.  
Treat symptomatically and supportively.  
Probable mucosal damage may contraindicate the use of gastric lavage.



<b>Product name</b>	<b>Clear Spa<sup>104</sup> Spa Solutions Bromo Boost</b>
<b>Revision date</b>	<b>6-11-15</b>
<b>Vapour pressure</b>	1 mmHg (806°C)
<b>Vapor density</b>	Not applicable under standard conditions
<b>Solubility:</b>	
- <b>Solubility in water</b>	94.6 gr/100ml at 25°C
- <b>Solubility in other solvents</b>	ethanol: 95%: 7 g/100g at 25°C methanol: 14.8 g/100g at 25°C
<b>Partition coefficient (n-octanol/water)</b>	Not applicable since this material is almost completely soluble in water.
<b>Auto-ignition temperature</b>	Not applicable
<b>Viscosity:</b>	Not applicable
<b>Specific gravity</b>	3.203
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	Not oxidizing
<b>Reactivity</b>	Reacts explosively with bromine trifluoride .
<b>Stability</b>	Stable under normal conditions The powder product tends to cake under normal storage conditions.
<b>Possibility of hazardous reactions</b>	Not expected to occur
<b>Conditions to avoid</b>	Heating above decomposition temperature
<b>Materials to avoid</b>	Strong acids. Strong oxidants. Heavy metal salts.
<b>Hazardous Decomposition Products</b>	Hydrogen bromide and sodium oxide Bromine fumes
<b>Likely Routes of Exposure</b>	Skin Eye contact Inhalation Ingestion
<b>Acute toxicity:</b>	
- <b>Rat oral LD50</b>	4200 mg/kg
- <b>Rabbit dermal LD50</b>	>2000 mg/kg
- <b>Rat dermal LD50</b>	>2000 mg/kg
- <b>Eye irritation (rabbit)</b>	Slightly irritant
- <b>Dermal irritation (rabbit)</b>	Not irritant
<b>Dermal sensitization</b>	Not a sensitizer
<b>Chronic toxicity</b>	Repeated skin contact may cause dermatitis.Repeated oral intake of bromides (>9 mg/kg body weight/day) may affect the central nervous system. Warning symptoms include mental dullness, slurred speech, weakened memory, apathy, anorexia, constipation, drowsiness and loss of sensitivity to touch and pain.
<b>Mutagenicity</b>	Does not induce DNA repair in cultured human epithelioid cells. Not clastogenic in human lymphocytes metaphase analysis. Not mutagenic by the Ames Test

<b>Product name</b>	<b>Clear Spa<sup>104</sup> Spa Solutions Bromo Boost</b>
<b>Revision date</b>	<b>6-11-15</b>
<b>Carcinogenicity</b>	Not classified by IARC / Not included in NTP 13th Report on Carcinogens
<b>Reproductive toxicity</b>	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/day, and the Acceptable Daily Intake (ADI) for sodium bromide from food and drinking water in humans is 1 mg/kg/day. Comparable high doses of sodium chloride (table salt) similarly cause malformations, embryo-fetal toxicity, and maternal toxicity in mice.
<b>Teratogenicity</b>	In the oral gavage pre-natal developmental toxicity study in the Rabbit, there were no obvious effects of maternal treatment on the survival, growth or development of the offspring at any of the dosages investigated. The No Observed Effect Level (NOEL) for the developing conceptus was considered to be 250 mg/kg/day.
<b>Aspiration hazard</b>	Not expected to occur
<b>Environmental fate</b>	NaBr 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).
<b>Aquatic toxicity :</b>	
- 96 Hour-LC50, Fish	>1000 mg/l (rainbow trout) >1000 mg/l (bluegill sunfish)
- 48 Hour-EC50, Daphnia magna	>1000 mg/l
<b>Avian toxicity:</b>	
- Oral LD50, Bobwhite quail	>2250 mg/kg
- Dietary LC50, Mallard duck	>5633 ppm
- Dietary LC50, Bobwhite quail	>5633 ppm
<b>Toxicity to micro-organisms</b>	Activated sewage sludge respiration inhibition test: EC50 > 1000 mg/l (3 hours). NOEC was 1000 mg/l (3 hours)
<b>Persistence and degradability</b>	Not relevant for inorganic salts
<b>Bioaccumulative potential</b>	Not expected to bio-accumulate BCF=0.23-1.41
<b>Mobility in soil</b>	Not relevant for inorganic salts
<b>Waste disposal</b>	Observe all federal, state and local environmental regulations when disposing of this material.
<b>Packaging disposal</b>	Dispose of in a safe manner in accordance with local/notional regulations.
<b>DOT</b>	Not regulated
<b>IMDG</b>	Not regulated
<b>ICAO/IATA</b>	Not regulated

**Product name** Clear Spa<sup>104</sup> Spa Solutions Bromo Boost

**Revision date** 6-11-15

**USA**

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

**- Emergency overview in  
accordance to EPA Master Label**

Sodium Bromide-SP (EPA Reg. No. 8622-78)  
CAUTION  
Causes eye irritation  
Harmful if absorbed through skin or swallowed  
This product is toxic to fish and aquatic organisms.

Sodium Bromide-COMP (EPA Reg. No. 8622-45)  
CAUTION  
Harmful if absorbed through skin or swallowed  
This product is toxic to fish and aquatic organisms.

**- SARA 313**

Not listed

**Canada**

Listed in DSL

**-WHMIS hazard class**

D2A very toxic material causing other toxic effects

**EU**

Reported in EINECS

**EC No.**

231-599-9

**Japan**

ENCS no. 1-113  
ISHL no. 1-113

**Australia**

Listed in AICS

**New Zealand Inventory**

Listed in NZIoC

**China inventory**

Listed in IECSC

**Korea**

Listed in ECL (KE-31368)

**Philippines**

Listed in PICCS

**DATE OF PREPARATION**

**6-11-15**

THE INFORMATION SUPPLIED ABOVE IS PRESENTED IN GOOD FAITH AND HAS BEEN DERIVED FROM SOURCES BELIEVED TO BE RELIABLE, HOWEVER, NO WARRANTY EXPRESSED OR IMPLIED IS EXTENDED REGARDING ITS ACCURACY OR THE RESULTS TO BE OBTAINED FROM ITS USE SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL. ALL RISKS ARE ASSUMED BY THE USER.