

## Material Safety Data Sheet

### SeaKlear Spa: Brominating Tablets

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer's Name:** HaloSource, Inc.  
**Corporate Address:** 1631 220<sup>th</sup> St. SE, Suite 100, Bothell, WA 98021  
**Manufacturer's Telephone:** (425) 881-6464 (Monday-Friday, 8AM-5PM PDT)  
**Emergency Telephone:** 800-424-9300 Chemtrec (24 Hours)  
**Material/Trade/Product Name:** SeaKlear Spa: Brominating Tablets  
**Synonyms:** None  
**Chemical Name:** Not available  
**Chemical Formula:** Not available  
**CAS No.:** Not Applicable  
**EPA Registration #:** 8622-41-72083  
**Product Use:** Spa Sanitizer

#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	COMPONENT	%	OSHA HAZARDOUS ?
32718-18-6	Bromochloro-5, 5-dimethylhydantoin	98	Yes

NOTE: See Section 8 for permissible exposure limits.

#### SECTION 3: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Solid white/off white tablet with a faint halogen odor.

Severely irritating to eyes. Irritating to upper respiratory tract. Can cause burns to wet skin.

Toxic to fish.

##### POTENTIAL HEALTH EFFECTS

**EYE:** Severe irritant. May cause temporary or possible permanent eye injury.

**SKIN:** Exposure to wet skin may cause severe burns. Prolonged exposure may cause sensitization or superficial burns.

**INHALATION:** Irritant to upper respiratory tract, nose, throat and lungs. Can cause shortness of breath, headaches and nausea

**INGESTION:** None known.

**CHRONIC EXPOSURE/CARCINOGENICITY:** Not applicable.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Shortness of breath, headaches and nausea if inhaled. May irritate eyes with stinging, watering, inflammation; may cause chemical burns to eyes and surrounding tissue. Exposure to wet skin may cause severe burns. Prolonged exposure may cause sensitization or superficial burns to skin.

**AGGRAVATION OF PRE-EXISTING CONDITIONS:** None known.

**POTENTIAL ENVIRONMENTAL EFFECTS:** Toxic to fish.

## SECTION 4: FIRST AID MEASURES

### FIRST AID PROCEDURES

**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:** Remove 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 advice. 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.

**NOTE TO PHYSICIANS:** Not available.

## SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT:** Not available

**UPPER FLAMMABLE LIMIT:** Not available

**FLAMMABILITY CLASS (OSHA):** Not applicable

**AUTOIGNITION TEMPERATURE:** Not available

**LOWER FLAMMABLE LIMIT:** Not available

**FLAME PROPAGATION/BURNING RATE:** Not available

**UNIQUE FIRE PROPERTIES:** None known

**HAZARDOUS COMBUSTION PRODUCTS:** Strong oxidizing agent. Forms explosive mixtures with combustible, organic or other easily oxidizable materials.

**EXTINGUISHING MEDIA:** Dry powder, carbon dioxide or water spray

**PROTECTION OF FIREFIGHTERS:** In closed spaces fire fighters should use self-contained MSHA/NIOSH approved breathing apparatus and full protective gear. Use water spray to cool containers exposed to fire. Minimize exposure. Do not breath fumes. Contain run-off.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** See Section 8 (Personal Protective Equipment).

**ENVIRONMENTAL PRECAUTIONS:** Toxic to fish.

**METHODS FOR CLEANING UP:** Evacuate the spill area. Keep dust to a minimum. Transfer spilled material to suitable containers for recovery or disposal. Flush cleaned area with water to sewage treatment facility. Ventilate area and wash spill site after material pickup is complete.

## SECTION 7: HANDLING AND STORAGE

### SAFE HANDLING RECOMMENDATIONS

**VENTILATION:** Use with adequate ventilation.

**FIRE PREVENTION:** Avoid contact with clothing and other combustible materials.

**SPECIAL HANDLING REQUIREMENTS:** Wash hands thoroughly after handling. Do not re-use empty containers.

### SAFE STORAGE RECOMMENDATIONS

**CONTAINMENT:** Keep container tightly closed when not in use.

**STORAGE ROOM RECOMMENDATIONS:** Store in dry, cool, dark and well-ventilated area, away from combustible materials and excessive heat.

**INCOMPATIBLE MATERIALS:** Oxidizing agents, combustible organic materials, bases

**STORAGE CONDITIONS:** Store in dry, cool, dark and well-ventilated area, away from combustible materials and excessive heat.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use local exhaust.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**EYE/FACE PROTECTION:** Wear safety glasses with side shields or goggles.

**SKIN PROTECTION:** For operations where skin contact can occur, wear impervious apron and impermeable clothing.

**HAND PROTECTION:** Wear butyl rubber gloves.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Under dusty conditions use MSHA/NIOSH approved half mask with chemical cartridge and a dust/mist prefilter respirator.

**GOOD HYGIENE/WORK PRACTICES:** Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.

### EXPOSURE GUIDELINES

PERMISSIBLE EXPOSURE LIMITS						
INGREDIENT CAS NO.	OSHA		WISHA		ACGIH (TLV)	
	TWA	STEL	TWA	STEL	TWA	STEL
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**COLOR:** White/Off-White

**PHYSICAL FORM:** Solid

**pH:** Not available

**VAPOR DENSITY:** Not available

**MELTING POINT:** Not available

**SOLUBILITY IN WATER:** 0.2G/100ML

**SHAPE:** Tablet

**ODOR:** Faint Halogen

**VAPOR PRESSURE:** Not available

**BOILING POINT:** Not available

**FREEZING POINT:** Not available

**SPECIFIC GRAVITY OR DENSITY:** 1.8 – 2.0

*NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.*

## SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** None known.

**MATERIALS TO AVOID (INCOMPATIBILITY):** Oxidizing agents, combustible organic materials, bases

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen bromide, bromine gas, hydrogen chloride.

**HAZARDOUS POLYMERIZATION:** Not known.

## SECTION 11: TOXICOLOGICAL INFORMATION

**ORAL LD<sub>50</sub> (rat):** Not available.

**DERMAL LD<sub>50</sub> (rabbit):** Not available.

**SKIN IRRITATION:** Not available.

**EYE IRRITATION:** Not available.

**SKIN SENSITIZATION:** Not available.

**ADDITIONAL INFORMATION:** Not available.

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY:** Not available.

**MOBILITY:** Not available.

**PERSISTENCE AND DEGRADABILITY:** Not available.

**BIOACCUMULATIVE POTENTIAL:** Not available.

**ADDITIONAL INFORMATION:** Toxic to fish.

**SECTION 13: DISPOSAL CONSIDERATIONS**

If this product as supplied becomes a waste, it does meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

*NOTE: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.*

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION (DOT):**

**Proper Shipping Name:** Oxidizing solid n.o.s., (Bromochloro-5, 5-dimethylhydantoin)  
**Hazard Class:** 5.1  
**Identification Number (UN Number):** UN1479  
**Packing Group (PG):** II

**SECTION 15: REGULATORY INFORMATION**

**TSCA STATUS:** Listed

**CERCLA REPORTABLE QUANTITY (RQ):**

CHEMICAL NAME	RQ
Not applicable	Not applicable

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS):**

CHEMICAL NAME	TPQ	RQ

Not applicable	Not applicable	Not applicable
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**SARA TITLE III SECTION 311/312 HAZARD CATEGORIES:** Does this product/material meet the definition of the following hazard classes according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of SARA Title III?

ACUTE HEALTH HAZARD	CHRONIC HEALTH HAZARD	FIRE HAZARD	REACTIVE HAZARD	SUDDEN RELEASE OF PRESSURE
YES	NO	YES	NO	NO

**SARA TITLE III SECTION 313 TOXIC CHEMICALS INFORMATION:**

CHEMICAL NAME	CAS NO.	CONCENTRATION (%)
Not applicable	Not applicable	Not applicable

**CALIFORNIA PROPOSITION 65:** The following chemical(s) is/are known to the state of California to cause cancer or reproductive toxicity:

CHEMICAL NAME	CAS NO.	CONCENTRATION (%)
Not applicable	Not applicable	Not applicable

**SECTION 16: OTHER INFORMATION**

**REVISION INFORMATION:**

MSDS sections(s) changed since last revision of document: Section 1. Corporate address was updated.

**DISCLAIMER:**

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**MSDS PREPARED BY: Jeremy Heath, EH&S Specialist**