

## Material Safety Data Sheet

### SeaKlear Spa: pH Reducer

#### 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 (24 Hours):** **800-424-9300 CHEMTREC (Domestic, North America)**  
**703-527-3887 CHEMTREC (International, collect calls accepted)**

**Material/Trade/Product Name:** **SeaKlear Spa: pH Reducer**  
**Synonyms:** Sodium acid sulfate; Sodium pyrosulfate; Sodium hydrogen sulfate; Sulfuric acid, monosodium salt.

**Chemical Name:** Sodium Bisulfate  
**Chemical Formula:** HNaO<sub>4</sub>S  
**CAS No.:** 7681-38-1  
**EPA Re. No.:** Not applicable  
**Product Use:** Lowers pH in spa and hot tub water.

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

CAS NO.	COMPONENT	%	OSHA HAZARDOUS?
7681-38-1	Sodium Bisulfate	100	Yes

NOTE: See Section 8 for permissible exposure limits.

#### SECTION 3: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Off-white, dry, crystalline solid with a fresh to pungent odor.

**WARNING!** Corrosive to eyes and skin. May be harmful if inhaled or ingested.

##### POTENTIAL HEALTH EFFECTS

**EYE:** Corrosive to eyes. Redness, watering, and itching characterize inflammation of the eye.

**SKIN:** Corrosive to skin. Skin contact may produce burns. Itching, scaling, reddening, or blistering characterizes skin inflammation.

**INHALATION:** Inhalation of mist may irritate or burn nose, throat, and lungs.

**INGESTION:** Swallowing this product may irritate or burn digestive tract.

**CHRONIC EXPOSURE/CARCINOGENICITY:** Not listed as a carcinogen by OSHA, IARC, or NTP.

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

**POTENTIAL ENVIRONMENTAL EFFECTS:** None known.

## SECTION 4: FIRST AID MEASURES

### FIRST AID PROCEDURES

**EYE CONTACT:** In case of contact, hold eyelids apart and immediately flush eyes with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

**SKIN CONTACT:** In case of contact, immediately wash with plenty water. Repeat washing. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use. If irritation persists consult a health care professional.

**INHALATION:** Immediately remove victim to fresh air. If individual experiences nausea, headache, or dizziness, has difficulty in breathing or is cyanotic, seek medical attention.

**INGESTION:** Drink plenty of milk or water. Follow with milk of magnesia, beaten eggs, or vegetable oil. Do not induce vomiting. Contact a physician immediately.

**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:** Fumes of sulfur dioxide and sulfur trioxide are evolved at temperatures over 806°F (430°C).

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**PROTECTION OF FIREFIGHTERS:** Firefighters should wear positive pressure self-contained breathing apparatus and full turnout gear.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**ENVIRONMENTAL PRECAUTIONS:** None known.

**METHODS FOR CLEANING UP:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****COLOR:** Off-White**PHYSICAL FORM:** Dry, Crystalline Solid**pH:** <1.0 5% - Aqueous Solution**VAPOR DENSITY:** Not available**MELTING POINT:** 350° C (177° F)**SOLUBILITY IN WATER:** 1080 g/L**SHAPE:** Granular Powder**ODOR:** Fresh to pungent**VAPOR PRESSURE:** Not available**BOILING POINT:** Not available**FREEZING POINT:** Not available**SPECIFIC GRAVITY OR DENSITY:** 80-85 lbs/ft<sup>3</sup> (loose)

*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**CONDITIONS TO AVOID:** Elevated temperatures and heat.**MATERIALS TO AVOID (INCOMPATIBILITY):** Strong alkaline materials, liquid chlorine bleach, ammonia cleansers or similar products.**HAZARDOUS DECOMPOSITION PRODUCTS:** Fumes of sulfur dioxide and sulfur trioxide are evolved at temperatures over 806°F (430°C).**HAZARDOUS POLYMERIZATION:** Will not occur.**SECTION 11: TOXICOLOGICAL INFORMATION****ORAL LD<sub>50</sub> (rat):** 2800 mg/kg**DERMAL LD<sub>50</sub> (rabbit):** Not available.**SKIN IRRITATION:** Very hazardous in case of skin contact (corrosive).**EYE IRRITATION:** Can cause severe irritation or burns of the eyes.**SKIN SENSITIZATION:** Not available.**ADDITIONAL INFORMATION:** May affect genetic material (mutagenic).**SECTION 12: ECOLOGICAL INFORMATION****ECOTOXICITY:** Not available.**MOBILITY:** Not available.**PERSISTENCE AND DEGRADABILITY:** Not available.**BIOACCUMULATIVE POTENTIAL:** Not available.

**ADDITIONAL INFORMATION:** Not available.

### 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:** Corrosive solid, n.o.s. (Sodium Bisulfate)  
**Hazard Class:** 8  
**Identification Number (UN Number):** UN1759  
**Packing Group (PG):** III

### 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

**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	NO	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:

- Formula change from liquid solution to solid. Major changes throughout MSDS reflecting this formula change.

**DISCLAIMER:**

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