

SAFETY DATA SHEET

Date Issued : 7/1/2008
 MSDS No : SeaKlear Spa pH Reducer
 Date Revised : 7/15/2013
 Revision No : 2

SeaKlear Spa pH Reducer (Solution)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SeaKlear Spa pH Reducer (Solution)
GENERAL USE: pH Decreaser

DISTRIBUTOR

Halosource, Inc.
 1725 220th Street SE, Suite 103
 Bothell, WA 98021
Product Stewardship: (425) 881 6464

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Corrosive to eyes and skin.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to eyes.

SKIN: Corrosive to skin.

INGESTION: May cause Irritation or burns to the gastrointestinal tract.

INHALATION: Not expected to be an inhalation hazard at ambient conditions. Inhalation of mist or vapors may cause irritation of the mucous membranes and respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing respiratory conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Sodium Bisulfate	25 - 30	7681-38-1	231-665-7

4. FIRST AID MEASURES

EYES: Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Call a physician immediately.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing. Get medical attention for persistent irritation. Wash contaminated clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

INHALATION: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. If not breathing, give artificial respiration. Call for medical assistance.

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5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not combustible.

FLAMMABLE LIMITS: 0 to 0

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear. Water can be used to cool and protect exposed material.

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Contain spilled material if possible. Absorb with materials such as sand. Collect in suitable and properly labeled containers. Flush residue with plenty of water.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and skin. Avoid breathing dust. Wash thoroughly after handling.

STORAGE: Store in a cool, dry, well-ventilated area away from heat sources and incompatible materials. Avoid contact with water or moist air.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Sodium Bisulfate	TWA	ppm ^[1]	mg/m ³ ^[1]	ppm	mg/m ³	NL ppm	NL mg/m ³
	STEL	ppm	mg/m ³	ppm	mg/m ³	NL ppm	NL mg/m ³

Footnotes:

1. This material meets the definition as an Irritant as defined in OSHA's Hazard Communication Standard.

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields or goggles.

SKIN: Impervious gloves, boots and apron to avoid skin contact.

RESPIRATORY: None normally required.

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WORK HYGIENIC PRACTICES: Eyewash fountain or water for eye washing should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slightly acidic.

APPEARANCE: Clear.

pH: < 1.0

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A.

BOILING POINT: Not Known

MELTING POINT: 350°C (177°F)

FLASHPOINT AND METHOD: Not combustible.

SOLUBILITY IN WATER: Complete.

SPECIFIC GRAVITY: 1.230

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide and sulfur trioxide are formed when heated over 570 deg F.

INCOMPATIBLE MATERIALS: Oxidizing agents and bases.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: > 5 g/kg (rat)

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Daphnia Magna, 100h LC50 greater than 106 mg/l

COMMENTS: Slightly toxic to fish and aquatic organisms.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state, and federal regulations.

RCRA/EPA WASTE INFORMATION: This product does meet the criterial of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. D002

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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Bisulfate, Aqueous Solution

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN2837

PACKING GROUP: II

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 0.3 gallons.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

ACUTE: Yes

313 REPORTABLE INGREDIENTS: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: No.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Bisulfate	7681-38-1

TSCA REGULATORY: All components are listed on the TSCA Inventory.

REGULATIONS

STATE REGULATIONS: Massachusetts Right to Know List of Chemicals and Hazardous Classifications

CAS 7757-82-6 Sulfuric Acid Disodium Salt (Massachusetts Hazardous Substance)

Pennsylvania Hazardous Substance List

1990-01-01 Sodium Sulfate Solution (Environmental Hazard, Hazardous Substance)

New Jersey Right to Know Hazardous Substance List (RTK-HSL)

1989-12-01 Sodium Hydrogen Sulfate (Special Health Hazard Substance, Special Health Hazard - Corrosive)

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 8/20/2008 MSDS. Revised: **Section 2:** EMERGENCY OVERVIEW - IMMEDIATE CONCERNS POTENTIAL HEALTH EFFECTS (SKIN, INHALATION, INGESTION). **Section 4:** INHALATION, SKIN. **Section 5:** FLAMMABLE CLASS, HAZARDOUS

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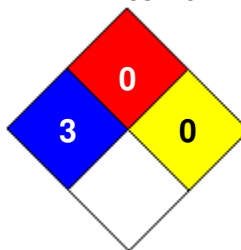
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DECOMPOSITION PRODUCTS. **Section 7:** GENERAL PROCEDURES, HANDLING, STORAGE. **Section 8:** PERSONAL PROTECTIVE EQUIPMENT - SKIN WORK HYGIENIC PRACTICES. **Section 10:** INCOMPATIBLE MATERIALS. **Section 12:** COMMENTS, ECOTOXICOLOGICAL INFORMATION. **Section 13:** RCRA/EPA WASTE INFORMATION. **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) (UN/NA NUMBER, PACKING GROUP, OTHER SHIPPING INFORMATION). **Section 15:** ACUTE, STATE REGULATIONS. **Section 16:** HMIS RATING (PHYSICAL HAZARD), NFPA CODES (REACTIVITY).

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



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