

# SAFETY DATA SHEET

**Date Prepared :** 02/05/2015  
**SDS No. :** SeaKlear Metal Stain Control  
**Date Revised :** 04/06/2015  
**Revision No :** 1

## SeaKlear Metal Stain Control

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SeaKlear Metal Stain Control  
**GENERAL USE:** Metal control for swimming pools.

#### DISTRIBUTOR

Halosource, Inc.  
 1725 220th Street SE, Suite 103  
 Bothell, WA 98021

### 2. HAZARDS IDENTIFICATION

#### GHS LABEL



Corrosion

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H290: May be corrosive to metals.  
 H303: May be harmful if swallowed.  
 H314: Causes severe skin burns and eye damage.

#### PRECAUTIONARY STATEMENT(S)

##### General:

P234: Keep only in original container.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264: Wash thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501: Dispose of contents/container in accordance with applicable local and federal regulations.

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Causes eye, skin and digestive tract burns. Mist may cause respiratory tract burns.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Corrosive. Causes eye burns and permanent tissue damage.

**SKIN:** Corrosive. May cause skin burns and permanent skin damage.

**INGESTION:** Low order of toxicity. Corrosive to mouth, esophagus and stomach.

**INHALATION:** Mist may be severely irritating to nose, throat and lungs, depending on concentration and duration of exposure.

**CARCINOGENICITY:** Not listed by NTP, IARC or OSHA.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phosphonic Acid, (1-hydroxyethylidene)bis-	30 - 50	2809-21-4

**COMMENTS:** Proprietary blend. Ingredients in this section have been determined to be hazardous as defined by 29CFR 1910.1200.

### 4. FIRST AID MEASURES

- EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
- SKIN:** Immediately wash with large amounts of water; use soap, if available. Remove contaminated clothing, including shoes, after washing has begun. Get immediate medical attention.
- INGESTION:** DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. DO not attempt to give anything by mouth to an unconscious person.
- INHALATION:** In case of adverse exposure to vapors and/or aerosols, immediately remove the affected victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

### 5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.
- FIRE FIGHTING PROCEDURES:** Material will not burn. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed surfaces and to protect personnel.
- FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) in positive pressure mode, if possible, and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

- SMALL SPILL:** For spills, implement cleanup procedures.
- LARGE SPILL:** Implement cleanup procedures and if in public areas, advise authorities.
- ENVIRONMENTAL PRECAUTIONS**
- WATER SPILL:** Prevent additional discharge of material, if possible to do so without hazard. Request all to stay clear. This material is water soluble/dispersible, and may not be recoverable.
- LAND SPILL:** Prevent additional discharge of material, if possible to do so without hazard. Warn occupants and downwind areas of corrosive release hazard and request all to stay clear.
- GENERAL PROCEDURES:** Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.
- RELEASE NOTES:** Recycle or dispose of recovered material in accordance with all federal, state, and local regulations.

### 7. HANDLING AND STORAGE

- GENERAL PROCEDURES:** Keep containers closed. Open container carefully and handle with care. Store in a cool, well-ventilated place away from incompatible materials. Do NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.
- STORAGE:** Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper /copper alloys.
- STORAGE TEMPERATURE:** Ambient.
- STORAGE PRESSURE:** Atmospheric

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**COMMENTS:** When working or handling this product, wash hands and face thoroughly before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes or contact.

### 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Phosphonic Acid, (1-hydroxyethylidene)bis-	TWA	ppm <sup>[1]</sup>	mg/m <sup>3</sup> <sup>[1]</sup>	ppm	mg/m <sup>3</sup>	NL	NL
	STEL	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	NL	NL
<b>Footnotes:</b> 1. NL = Not Listed							

**ENGINEERING CONTROLS:** Local exhaust.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles and face shield.

**SKIN:** Where contact may occur, wear chemical resistant gloves and long sleeves.

**RESPIRATORY:** Where overexposure by inhalation may occur; or other means of exposure reduction are not adequate, approved respirators may be necessary.

**WORK HYGIENIC PRACTICES:** Provide safety shower and eyewash station in the work area.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Faint.

**APPEARANCE:** Pink liquid.

**pH:** < 2

**FLASHPOINT AND METHOD:** > 100°C (212°F)

**FLAMMABLE LIMITS:** Non-flammable.

**AUTOIGNITION TEMPERATURE:** Not Applicable

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**BOILING POINT:** Not Available

**SOLUBILITY IN WATER:** Soluble in water.

**SPECIFIC GRAVITY:** 1.139 to 1.147

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable.

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**CONDITIONS TO AVOID:** Contact with common metals might produce flammable hydrogen gas.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Phosphines, CO, CO<sub>2</sub> and oxides of nitrogen.

**INCOMPATIBLE MATERIALS:** Strong oxidizers and strong alkalis.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**ORAL LD<sub>50</sub>:** 1860 mg/kg (mice)

**TARGET ORGANS:** Neat product may cause damage to the following organs: blood, gastrointestinal tract, upper respiratory tract, skin, eyes, bones.

### 12. ECOLOGICAL INFORMATION

**COMMENTS:** LC50 = 527 mg/l 48 hours Daphnia magna

LC50 = 368 mg/l 96 hours Rainbow Trout

LC50 = 868 mg/l 96 hours Bluegille sunfish

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, Acidic, Organic, N.O.S. (Phosphonic acid)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 3265

**PACKING GROUP:** II

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** None

**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)

**311/312 HAZARD CATEGORIES:** Hazard Categories: Health: Immediate (Acute) Health Hazard

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** No reportable chemicals.

##### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** If spilled, this product is not subject to any reporting requirements.

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All components are listed on the TXCA Inventory or are exempt from TSCA Inventory requirements.

**RCRA STATUS:** When disposed of, this product may be regulated as a RCRA Hazardous Waste with the characteristic of corrosivity due the pH of the neat material.

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### 16. OTHER INFORMATION

Date Revised: 04/06/2015

REVISION SUMMARY: This SDS replaces the 02/05/2015 SDS. Revised: **Section 3: Wt.%.**

#### HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

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