



Date: 6/23/2014  
Revision: 08

## Material Safety Data Sheet

### SeaKlear: Phosphate Remover

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer's Name:** HaloSource, Inc.  
**Corporate Address:** 1725 220<sup>th</sup> St. SE, Suite 103, 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: Phosphate Remover**  
**Synonyms:** **SeaKlear: Phosphate Remover -Commercial**  
**Chemical Name:** Proprietary  
**Chemical Formula:** Proprietary  
**CAS No.:** Not applicable  
**EPA Registration #:** Not applicable  
**Product Use:** Removes phosphates from water.

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

CAS NO.	COMPONENT	%	OSHA HAZARDOUS?
	<i>Confidential Business Information</i>		

NOTE: See Section 8 for permissible exposure limits.

#### SECTION 3: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Clear to light orange liquid.

CAUTION: May cause irritation to exposed areas of body.

WARNING: Corrosive to steel.

##### POTENTIAL HEALTH EFFECTS

**EYE:** May cause irritation.

**SKIN:** Not likely to cause skin irritation.

**INHALATION:** Should not be harmful if inhaled.

**INGESTION:** Possible irritant if swallowed.

**CHRONIC EXPOSURE/CARCINOGENICITY:** This substance not listed as a potential carcinogen by IARC.

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

**POTENTIAL ENVIRONMENTAL EFFECTS:** None known.

## **SECTION 4: FIRST AID MEASURES**

### **FIRST AID PROCEDURES**

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting eyelids occasionally. Get medical attention at once.

**SKIN CONTACT:** Remove contaminated clothing and immediately wash exposed area for 15 minutes. Get medical attention if necessary.

**INHALATION:** Move to fresh air. If breathing has stopped administer artificial respiration. Get medical attention immediately.

**INGESTION:** Give large amounts of water. Do not induce vomiting. Get medical attention immediately.

**NOTE TO PHYSICIANS:** None.

## **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:** HCl is produced.

**HAZARDOUS COMBUSTION PRODUCTS:** HCl is produced.

**EXTINGUISHING MEDIA:** Use water, dry chemicals, carbon dioxide, sand or foam. Use extinguishing media appropriate for surrounding fire.

**PROTECTION OF FIREFIGHTERS:** Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire-exposed containers cool until fire is out.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

**ENVIRONMENTAL PRECAUTIONS:** None known.

**METHODS FOR CLEANING UP:** No special instructions are known to be necessary for cleaning up spills.

## **SECTION 7: HANDLING AND STORAGE**

**SAFE HANDLING RECOMMENDATIONS**

**VENTILATION:** Use general ventilation.

**SPECIAL HANDLING REQUIREMENTS:** Use appropriate PPE.

**SAFE STORAGE RECOMMENDATIONS**

**CONTAINMENT:** Secondary containment is recommended.

**STORAGE CONDITIONS:** Store in cool, dry place. Keep container closed when not in use; keep out of the reach of children. Keep away from steel.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** General ventilation.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**EYE/FACE PROTECTION:** Safety glasses are recommended under normal conditions.

**SKIN PROTECTION:** Avoid contact with skin.

**HAND PROTECTION:** Chemical resistant gloves are recommended to minimize potential irritation from handling.

**RESPIRATORY PROTECTION:** None required where adequate ventilation conditions exist.

**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:** Clear to light orange

**PHYSICAL FORM:** Liquid

**pH:** >2

**VAPOR DENSITY:** Not known

**MELTING POINT:** Not known

**SOLUBILITY IN WATER:** Fully soluble

**SHAPE:** Liquid

**ODOR:** None

**VAPOR PRESSURE:** Not known

**BOILING POINT:** Not known

**FREEZING POINT:** Not known

**SPECIFIC GRAVITY OR DENSITY:** 1.6 g/mL

*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:** None known

**MATERIALS TO AVOID (INCOMPATIBILITY):** Steel

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen Chloride

**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

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

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

**SKIN IRRITATION:** No signs or erythema or edema were noted at any observation point. Based upon the evaluation criteria of the protocol, this substance is considered a non-irritant.

**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:** Not available

**SECTION 13: DISPOSAL CONSIDERATIONS**

If this product as supplied becomes a waste, it may 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.*

<b>SECTION 14: TRANSPORT INFORMATION</b>
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**U.S. DEPARTMENT OF TRANSPORTATION (DOT):**

**Proper Shipping Name:** Corrosive liquid, acidic, inorganic, n.o.s. (Lanthanum salt derivative)  
**Hazard Class:** 8  
**Identification Number (UN Number):** 3264  
**Packing Group (PG):** III

**Lanthanum salt derivative**  
**49 CFR Section 173.154 (b) (2), 5 Liter or less is acceptable to ship as "Limited Quantity"**  
**Except for transportation by aircraft**

<b>SECTION 15: REGULATORY INFORMATION</b>
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**TSCA STATUS:** All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

**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:

- Section 1 – Added product synonym

**DISCLAIMER:**

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