

Vanson HaloSource, Inc.  
Material Safety Data Sheet

Material Name: **SeaKlear® Phosphate Remover**  
Telephone No: 425-881-6464

VHI-MSDS-02.36 REV 05  
Date Prepared: 12-19-05

**24-HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300**

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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**Manufacturer's Name:** Vanson HaloSource, Inc.  
**Corporate Address:** 14716 NE 87<sup>th</sup> Street, Redmond, WA 98052  
**Manufacturer's Telephone:** (425) 881-6464 (Monday-Friday, 8AM-5PM PDT)  
**Emergency Telephone:** 800-424-9300 Chemtrec (24 Hours)  
**Material/Trade/Product Name:** Phosphate Remover  
**Synonyms:** None  
**Chemical Name:** Lanthanum Chloride, 7 hydrate (99.9%)  
**CAS No.:** Not Applicable  
**Product Use:** Removes phosphates from water

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

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CAS NO.	HAZARDOUS INGREDIENT (S)	%	OSHA HAZARDOUS ?
20211-76-1	Lanthanum Chloride Hydrate	99.99	YES

*NOTE: See Section 8 for permissible exposure limits.*

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**SECTION 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**

Clear to slightly yellow liquid.

Can cause irritation to exposed areas of body. Severity of injury depends largely on duration of exposure.  
Immediate action is necessary to limit severity of injury.

Hydrogen chloride will be produced from decomposition.

**POTENTIAL HEALTH EFFECTS**

**EYE:** May cause irritation.

**SKIN:** Possible skin irritant.

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

**INGESTION:** Possible irritant if swallowed.

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

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Eye and/or skin irritation.

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

**POTENTIAL ENVIRONMENTAL EFFECTS:** None known.

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## SECTION 4: FIRST AID MEASURES

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### **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

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## SECTION 5: FIRE FIGHTING MEASURES

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**FLASH POINT:** Not applicable  
**UPPER FLAMMABLE LIMIT:** Not applicable  
**FLAMMABILITY CLASS (OSHA):** Not applicable

**AUTOIGNITION TEMPERATURE:** Not applicable  
**LOWER FLAMMABLE LIMIT:** Not applicable  
**FLAME PROPAGATION/BURNING RATE:** Not applicable

**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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**ENVIRONMENTAL PRECAUTIONS:** None

**METHODS FOR CLEANING UP:** Contain large spills and pump to recover. Small spills can be mopped up and recovered.

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## SECTION 7: HANDLING AND STORAGE

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### SAFE HANDLING RECOMMENDATIONS

**VENTILATION:** Use general ventilation

**FIRE PREVENTION:** Not flammable

**SPECIAL HANDLING REQUIREMENTS:** Use appropriate PPE

### SAFE STORAGE RECOMMENDATIONS

**CONTAINMENT:** Secondary containment is recommended.

**STORAGE ROOM RECOMMENDATIONS:** Store in cool, dry place. Keep container closed when not in use; keep out of the reach of children.

**INCOMPATIBLE MATERIALS:** None known.

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

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** General ventilation

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

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

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

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

**GOOD HYGEIENE/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 slightly yellow

**PHYSICAL FORM:** Liquid

**pH:** Not applicable

**VAPOR DENSITY:** 4.10

**MELTING POINT:** Not known

**SOLUBILITY IN WATER:** Appreciable (more than 10%)

**SHAPE:** Liquid

**ODOR:** None

**VAPOR PRESSURE:** Not known

**BOILING POINT:** Not known

**FREEZING POINT:** Not known

**SPECIFIC GRAVITY OR DENSITY:** Not known

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** None known

**MATERIALS TO AVOID (INCOMPATIBILITY):** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen Chloride

**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

**ORAL LD<sub>50</sub> (rat):** 4200

**DERMAL LD<sub>50</sub> (rat):** 106

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**SCU, LD<sub>50</sub>(MG/KG) (mouse):** 2424

**IV LD<sub>50</sub> (MG/KG) (mouse):** 18

**SKIN IRRITATION (rabbit):** Not available

**SKIN SENSITIZATION (guinea pig):** Not available

**EYE IRRITATION (rabbit):** Not available

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## SECTION 12: ECOLOGICAL INFORMATION

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Fish 96-hour LC <sub>50</sub>	=Not available
Daphnia 48-hour LC <sub>50</sub>	=Not available
Green algae 96-hour EC <sub>50</sub>	=Not available
Fish Chronic Value (ChV)	=Not available
Daphnia ChV	=Not available
Algae ChV	=Not available

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## SECTION 13: DISPOSAL CONSIDERATIONS

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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.*

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## SECTION 14: TRANSPORT INFORMATION

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

<b>DOT Proper Shipping Name:</b>	Not regulated
<b>DOT Hazard Class:</b>	Not regulated
<b>Packing Group:</b>	Not regulated
<b>UN Number:</b>	Not regulated

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## SECTION 15: REGULATORY INFORMATION

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**TSCA STATUS:** Not listed

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**CERCLA REPORTABLE QUANTITY (RQ):**

CHEMICAL NAME	RQ
Not applicable	Not applicable

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

CHEMICAL NAME	TPQ	RQ
None	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 (%)
None	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 (%)
None	Not applicable	Not applicable

**SECTION 16: OTHER INFORMATION**

**REVISION INFORMATION:**

MSDS sections(s) changed since last revision of document: In an attempt to make Vanson-HaloSource's MSDSs more user friendly, as well as to keep current with all applicable regulations, all of the sections in this MSDS have had slight to significant changes since the last revision.

**DISCLAIMER:**

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The above information is based upon information Vanson-HaloSource Inc. believes to be reliable and is supplied for informational purposes only. Vanson-HaloSource Inc. disclaims any liability for damage which results from the use of

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