

Vanson HaloSource, Inc
Material Safety Data Sheet

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

VHI-MSDS-02.36 REV 04
Date Prepared: **4-28-05**

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

SECTION I – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer's Name: Vanson HaloSource, Inc.
Corporate Address: 14716 NE 87th Street, Redmond, WA 98052
Emergency Phone: 800-424-9300 Chemtrec
Manufacturer's Phone: (425) 881-6464
Material Name: SeaKlear Phosphate Remover
Chemical Name: Lanthanum Chloride, 7 hydrate (99.9%)

SECTION II – COMPOSITION, INFORMATION ON INGREDIENTS

| CAS NO. | INGREDIENT | EXPOSURE LIMITS |
|------------|-----------------------------------|-----------------|
| 20211-76-1 | Lanthanum Chloride Hydrate 99.99% | NA |
| 10099-58-8 | Lanthanum Chloride | NA |
| 7732-18-5 | Water | NA |

SECTION III – HAZARDS IDENTIFICATION

PRINCIPAL HEALTH HAZARDS, INCLUDING SIGNIFICANT ROUTES, EFFECTS, AND SYMPTOMS OF OVEREXPOSURE AND MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE MAY BE:

EYE: May cause irritation.

SKIN: Possible skin irritant

INHALATION: See first aid section

INGESTION: See first aid section

CARCINOGENICITY: Not listed by National Toxicology Program (NTP) OSHA, or International Agency for Research on Cancer (IARC)

SECTION IV - FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN: If skin contact occurs, immediately wash with soap and water for at least 15 minutes.

INHALATION: If a person breathes in large amounts, move the exposed person to fresh air. Get medical attention.

INGESTION: If person is conscious, immediately give large amounts of water. Get medical attention.

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SECTION V - FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS: HCl is produced.

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

FIREFIGHTING INSTRUCTIONS: 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.

FLASH POINT: Not applicable.

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL: Wear suitable protective clothing. Cleaning up spill with plenty of water.

DISPOSAL INFORMATION:

DISPOSAL METHODS: Dispose in accordance with all applicable federal, state and local environmental regulations.

SECTION VII - HANDLING & STORAGE

HANDLING & STORAGE PRECAUTIONS: Keep container tightly closed suitable for any general chemical storage area.

SECTION VIII - EXPOSURE CONTROLS/ PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE): Good hygiene practices should be strictly followed. Before eating, drinking or smoking, wash face and hands thoroughly. For operations where eye or face contact may occur, wear chemical goggles or face shield. Showers and eyewash facilities should be accessible.

EYE PROTECTION: Safety glasses with side shields recommended.

SKIN PROTECTION: Avoid contact with skin.

PROTECTIVE CLOTHING: Proper gloves are recommended.

PROTECTIVE FOOTWEAR: NA

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RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist. Keep fume levels as low as possible.

VENTILATION REQUIREMENTS: Adequate ventilation required.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL FORM: Clear to slightly yellow liquid. **BOILING POINT:** NA

MELTING POINT: NA **pH:** NA

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

SPECIFIC GRAVITY: NA.

SECTION X - STABILITY & REACTIVITY DATA

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLES: NA

DECOMPOSITION PRODUCTS: Yes. Hydrogen Chloride.

SECTION XI - TOXICOLOGICAL INFORMATION

ORAL Rat LD₅₀ (MG/KG): 4200

Ipr Rat, LD₅₀(MG/KG): 106

SCU Mouse, LD₅₀(MG/KG): 2424

IV-Mouse, LD₅₀(MG/KG): 18

DERMAL LD₅₀ (rabbit): NA

EYE IRRITATION (rabbit): NA

SKIN IRRITATION (rabbit): NA

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SECTION XII - ECOLOGICAL INFORMATION

| | | |
|--------------------------------------|---|----|
| Fish 96-hour LC ₅₀ | = | NA |
| Daphnia 48-hour LC ₅₀ | = | NA |
| Green algae 96-hour EC ₅₀ | = | NA |
| Fish Chronic Value (ChV) | = | NA |
| Daphnia ChV | = | NA |
| Algae ChV | = | NA |

SECTION XIII - DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable federal, local and State environmental regulations.

SECTION XIV - TRANSPORTATION INFORMATION

| | |
|----------------------------------|--|
| DOT Proper Shipping Name: | Chemicals, N.O.S. (non-regulated) (Domestic & International) |
| DOT Hazard Class: | Not regulated as a hazardous material |
| Packing Group: | Not determined |
| UN Number: | Not determined |
| Product RQ (lbs.): | No limit |
| DOT Label: | Miscellaneous |
| DOT Placard: | Not required |
| Freight Class (package): | Not determined |

SECTION XV - REGULATORY INFORMATION

MATERIAL IS REPORTED IN EPA TSCA INVENTORY LIST?: No

MATERIAL IS LISTED AS A CARCINOGEN/POTENTIAL CARCINOGEN IN FOLLOWING?: No

NTP ANNUAL REPORT: No **IARC GROUP I OR II:** No **OSHA 29CFR PART 1910 SUBPART Z:** No

DOES PRODUCT CONTAIN A TOXIC CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 REPORTING: No

SARA TITLE III SECTION 311/312 CLASSIFICATIONS: None

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SECTION XVI – OTHER INFORMATION

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