

Vanson HaloSource, Inc
Material Safety Data Sheet

Material Name: **SEA-KLEAR 3-Month Algaecide**
Telephone No: **425-881-6464**

VHI-MSDS-02-16-REV-2
Date Prepared: 12-23-02

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: SEA-KLEAR 3-Month Algaecide
Chemical Name: Copper (11) Triethanolamine

SECTION II – COMPOSITION, INFORMATION ON INGREDIENTS

CAS NO.	INGREDIENT	EXPOSURE LIMITS
	Copper (11) Triethanolamine	OSHA PEL: N/A OSHA STEL: N/A ACGIH TLV: N/A

SECTION III – HAZARDS IDENTIFICATION

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

EYE: Possible eye irritant.

SKIN: Not known to be a skin irritant.

INHALATION: NA

INGESTION: Low degree of toxicity by ingestion.

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. Contact a physician.

SKIN: If skin contact occurs, wash thoroughly with soap and water.

INHALATION: Use approved respirator for mists.

INGESTION: Contact a physician.

SECTION V - FIRE FIGHTING MEASURES

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HAZARDOUS COMBUSTION PRODUCTS: NA

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: Vacuum collect in containers for disposal. Flush area with water.

DISPOSAL INFORMATION: Contaminated material or waste should be placed in suitable receptacles and removed to chemical waste storage area for disposal in accordance with relevant federal, state, and local regulations.

DISPOSAL METHODS: In accordance with local, State and federal regulations. Flush residue with water.

SECTION VII - HANDLING & STORAGE

HANDLING & STORAGE PRECAUTIONS: Store below 40 °C/104° F in cool dry area in well closed containers. Exercise normal handling precautions for liquids. Protect from freezing. Keep away from metals.

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: eye protection recommended.

SKIN PROTECTION: gloves.

PROTECTIVE CLOTHING: NA

PROTECTIVE FOOTWEAR: NA

RESPIRATORY PROTECTION: NA

VENTILATION REQUIREMENTS: Generally adequate

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SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL FORM: Odorless Blue liquid.

BOILING POINT: Same as water.

MELTING POINT: NA

pH: unknown

SOLUBILITY IN WATER: Miscible in water

SPECIFIC GRAVITY: 1.18-1.21

SECTION X - STABILITY & REACTIVITY DATA

CHEMICAL STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLES: NA

DECOMPOSITION PRODUCTS: NA

SECTION XI - TOXICOLOGICAL INFORMATION

ORAL Rat LD₅₀ (MG/KG): 4,500 mg/kg

IV-Mouse, LD₅₀(MG/KG): NA

DERMAL LD₅₀ (rabbit): 8,000 mg/kg

EYE IRRITATION (rabbit): NA

SKIN IRRITATION (rabbit): NA

SECTION XII - ECOLOGICAL INFORMATION

Fish 96-hour LC₅₀ = 5.4 ppm @ 96 hours
Daphnia 48-hour LC₅₀ = NA
Green algae 96-hour EC₅₀ = NA

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Fish Chronic Value (ChV) = NA
Daphnia ChV = NA
Algae ChV = NA

GENERAL:

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:	None
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

SECTION XVI – OTHER INFORMATION

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