

Vanson HaloSource, Inc
Material Safety Data Sheet

Material Name: **SEA-KLEAR Natural Clarifier**
Telephone No: **425-881-6464**

VHI-MSDS-02.13 Rev 03
Date Prepared: 04-28-05

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: SEA-KLEAR Natural Clarifier
Chemical Name: Chitosan acetate

SECTION II – COMPOSITION, INFORMATION ON INGREDIENTS

CAS NO.	INGREDIENT	EXPOSURE LIMITS
9012-76-4	Chitosan	NA
64-19-7	Acetic Acid	
	Water	

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 be mildly irritating to eyes.

SKIN: Not hazardous to skin.

INHALATION: See first aid section below.

INGESTION: Not likely to be hazardous by ingestion.

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

SECTION IV - FIRST AID

EYES: Remove contact lenses (if applicable), flush with water for 15 minutes. Call a physician.

SKIN: Cleansing the skin after exposure is advisable.

INHALATION: If large amounts of fumes are inhaled, remove to fresh air and consult a physician.

INGESTION: Consult a physician if necessary.

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SECTION V - FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS: NA

EXTINGUISHING MEDIA: Does not burn. 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: NA

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL: Wear suitable protective clothing. Dilute with water and hose down.

DISPOSAL INFORMATION: Material is 100% biodegradable, is nontoxic and can be disposed of in any approved manner. Treatment, storage, transportation and disposal must be in accordance with applicable Federal State/Provincial and local regulations.

DISPOSAL METHODS: Dilute with water and hose down.

SECTION VII - HANDLING & STORAGE

HANDLING & STORAGE PRECAUTIONS: 10-50°C recommended (will freeze @ ~3°C). Shelf life is indefinite but viscosity will decrease over time. The container should be kept covered to prevent contamination.

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. Emergency showers and eyewash facilities should be accessible.

EYE PROTECTION: Safety glasses recommended.

SKIN PROTECTION: Rubber gloves recommended.

PROTECTIVE CLOTHING: NA

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PROTECTIVE FOOTWEAR: NA

RESPIRATORY PROTECTION: NA

VENTILATION REQUIREMENTS: Generally adequate

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL FORM: Clear to pale yellow viscous liquid with a pungent vinegar odor.

BOILING POINT: 211°F

MELTING POINT: NA

pH: 3.0-4.5

SOLUBILITY IN WATER: Soluble.

SPECIFIC GRAVITY: 1.0-1.1 g/mL

SECTION X - STABILITY & REACTIVITY DATA

CHEMICAL STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLES: Strong oxidizing material and strong bases.

DECOMPOSITION PRODUCTS: Decomposition will not occur.

Material is bio-degradable.

SECTION XI - TOXICOLOGICAL INFORMATION

ORAL Rat LD₅₀ (MG/KG): NA

lpr Rat, LD₅₀(MG/KG): NA

SCU Mouse, LD₅₀(MG/KG): NA

IV-Mouse, LD₅₀(MG/KG): NA

DERMAL LD₅₀ (rabbit): NA

EYE IRRITATION (rabbit): NA

SKIN IRRITATION (rabbit): NA

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SECTION XII - ECOLOGICAL INFORMATION

Fish 96-hour LC₅₀ = NA
Daphnia 48-hour LC₅₀ = NA
Green algae 96-hour EC₅₀ = 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. Material is 100% biodegradable, is nontoxic and can be disposed of in any approved manner.

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: NA
UN Number: NA
Product RQ (lbs.): NA
DOT Label: NA
DOT Placard: NA

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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