

## Material Safety Data Sheet

### SeaKlear: Algae Klear

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer's Name:** HaloSource, Inc.  
**Corporate Address:** 1631 220<sup>th</sup> St. SE, Suite 100, Bothell, WA 98021  
**Manufacturer's Telephone:** (425) 881-6464 (Monday-Friday, 8AM-5PM PDT)  
**Emergency Telephone:** 800-424-9300 Chemtrec (24 Hours)  
**Material/Trade/Product Name:** SeaKlear: Algae Klear  
**Synonyms:** None  
**Chemical Name:** Not available  
**Chemical Formula:** Not available  
**CAS No.:** Not applicable  
**EPA Re. No.:** 46043-24-72083  
**Product Use:** For use to control the growth of algae in swimming pools, exterior spas, whirlpools, and hot tubs.

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

CAS NO.	COMPONENT	%	OSHA HAZARDOUS ?
31512-74-0	Poly [oxyethylene (dimethyliminio) ethylenedichloride]	30	Yes
	<i>All other components are non-hazardous.</i>	70	No

NOTE: See Section 8 for permissible exposure limits.

#### SECTION 3: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Clear to brown liquid with a slight odor.

**CAUTION:** Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

This pesticide is toxic to fish and aquatic organisms.

##### POTENTIAL HEALTH EFFECTS

**EYE:** Irritant (hazardous in case of eye contact).

**SKIN:** Non-irritant for skin. Non-sensitizer for skin.

**INHALATION:** Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time of exposure.

**INGESTION:** Harmful if swallowed.

**CHRONIC EXPOSURE/CARCINOGENICITY:** None known.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** May cause respiratory burning and/or coughing if inhaled. May irritate eyes with stinging, watering, inflammation.

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

**POTENTIAL ENVIRONMENTAL EFFECTS:** This pesticide is toxic to fish and aquatic organisms.

## SECTION 4: FIRST AID MEASURES

### FIRST AID PROCEDURES

**EYE CONTACT:** Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**INGESTION:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIANS:** Probable mucosal damage may contraindicate the use of gastric lavage.

## SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT:** >100°C

**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:** None known.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and nitrogen.

**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, dry chemicals.

**PROTECTION OF FIREFIGHTERS:** Provide firefighters with self-contained breathing apparatus in positive pressure mode.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**ENVIRONMENTAL PRECAUTIONS:** This pesticide is toxic to fish and aquatic organisms.

**METHODS FOR CLEANING UP:** Minimize area affected by the spill or leak. Block any potential routes to water systems. Clay, soil, or commercially available absorbents may be used to recover any material that cannot readily be recovered as pure product. Flushing residual material to an industrial sewer, if present at the site of a spill or leak incident, may be acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials.

## SECTION 7: HANDLING AND STORAGE

### SAFE HANDLING RECOMMENDATIONS

**VENTILATION:** No special ventilation needed.

**FIRE PREVENTION:** No special requirements, material is not flammable.

**SPECIAL HANDLING REQUIREMENTS:** Wash hands thoroughly after handling.

### SAFE STORAGE RECOMMENDATIONS

**CONTAINMENT:** Keep container closed when not in use.

**STORAGE ROOM RECOMMENDATIONS:** None known.

**INCOMPATIBLE MATERIALS:** None known.

**STORAGE CONDITIONS:** None known.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation needed.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**EYE/FACE PROTECTION:** Wear safety glasses with side shields or goggles.

**SKIN PROTECTION:** Lab coat or apron.

**HAND PROTECTION:** Natural or synthetic rubber gloves.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**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, brown**PHYSICAL FORM:** Liquid**pH:** 6**VAPOR DENSITY:** Not available**MELTING POINT:** Not available**SOLUBILITY IN WATER:** Complete**SHAPE:** Liquid**ODOR:** Slight odor**VAPOR PRESSURE:** Not available**BOILING POINT:** >100°C**FREEZING POINT:** Not available**SPECIFIC GRAVITY OR DENSITY:** 1.069 g/cm<sup>3</sup> at 25°C

*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 under normal conditions.**CONDITIONS TO AVOID:** None known.**MATERIALS TO AVOID (INCOMPATIBILITY):** None known.**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and nitrogen.**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.**SKIN IRRITATION (rabbit):** Not available.**EYE IRRITATION (rabbit):** 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 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.*

**SECTION 14: TRANSPORT INFORMATION**

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

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s.  
**Hazard Class:** 9  
**Identification Number (UN Number):** UN3082  
**Packing Group (PG):** III

**SECTION 15: REGULATORY INFORMATION**

**TSCA STATUS:** Not listed.

**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: Not applicable.

**DISCLAIMER:**

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