

Material Safety Data Sheet

SeaKlear: Stain Prevention & Remover

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: HaloSource, Inc.
Corporate Address: 1725 220th St. SE, Suite 103, Bothell, WA 98021
Manufacturer's Telephone: (425) 881-6464 (Monday-Friday, 8AM-5PM PDT)
Emergency Telephone (24 Hours): +1-800-424-9300 CHEMTREC (Domestic, North America)
+1-703-527-3887 CHEMTREC (International, collect calls accepted)

Material/Trade/Product Name: **SeaKlear: Stain Prevention & Remover**
Synonyms: None
Chemical Name: Proprietary
Chemical Formula: Proprietary
CAS No.: Not applicable (mixture)
EPA Registration #: Not applicable
Product Use: Metal control for swimming pools.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	COMPONENT	%	OSHA HAZARDOUS?
<i>Trade Secret</i>	<i>Trade Secret</i>	<i>Proprietary</i>	YES
	<i>All other components are either non-hazardous or below de minimus quantities.</i>		

NOTE: See Section 8 for permissible exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Colorless to slightly hazy liquid with a mild odor.

WARNING! Corrosive. Causes severe eye burns. Severely irritating to the skin. Harmful if swallowed or inhaled.

POTENTIAL HEALTH EFFECTS

EYE: Corrosive. Causes eye burns and permanent tissue damage.

SKIN: Corrosive. May cause skin burns and permanent skin damage.

INHALATION: Vapors and mists may be irritating to eyes and respiratory tract.

INGESTION: Corrosive to mouth, esophagus and stomach.

CHRONIC EXPOSURE/CARCINOGENICITY: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

AGGRAVATION OF PRE-EXISTING CONDITIONS: None known.

POTENTIAL ENVIRONMENTAL EFFECTS: None known.

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYE CONTACT: In case of contact, hold eyelids apart and immediately flush eyes with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

SKIN CONTACT: In case of contact, immediately wash with plenty water. Repeat washing. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use. If irritation persists consult a health care professional.

INHALATION: Immediately remove victim to fresh air. If individual experiences nausea, headache, or dizziness, has difficulty in breathing or is cyanotic, seek medical attention.

INGESTION: Do not induce vomiting. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

NOTE TO PHYSICIANS: Not available.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not available

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: None known, but carbon monoxide may be formed upon burning.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

PROTECTION OF FIREFIGHTERS: Firefighters should wear positive pressure self-contained breathing apparatus and full turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS: Prevent additional discharge of material, if possible to do so without hazard. Request all to stay clear. This material is water soluble/dispersible, and may not be recoverable. Warn occupants and downwind areas of corrosive release hazard and request all to stay clear.

METHODS FOR CLEANING UP: Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING RECOMMENDATIONS

VENTILATION: Use in a cool, well-ventilated place.

SPECIAL HANDLING REQUIREMENTS: Open container carefully and handle with care

SAFE STORAGE RECOMMENDATIONS

INCOMPATIBLE MATERIALS: Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper /copper alloys. Strong oxidizing agents

STORAGE CONDITIONS: Keep containers closed. Store in a cool, well-ventilated place away from incompatible materials. Do NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Store in a cool, well-ventilated place.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: Chemical splash goggles and face shield.

SKIN PROTECTION: Chemical resistant apron and shoes is recommended.

HAND PROTECTION: Chemical resistant 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: Colorless to slightly hazy

PHYSICAL FORM: Liquid

SHAPE: Liquid

ODOR: Mild

pH: ~ 0.4 to 1.0

VAPOR DENSITY: Not available

MELTING POINT: Not available

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE: Not available

BOILING POINT: >100°C

FREEZING POINT: Not available

SPECIFIC GRAVITY OR DENSITY: 1.098

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: Contact with common metals might produce flammable hydrogen gas.

MATERIALS TO AVOID (INCOMPATIBILITY): Steel, strong bases, strong oxidizers and strong alkali.

HAZARDOUS DECOMPOSITION PRODUCTS: Phosphines, CO, CO₂ and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD₅₀ (rat): Not available.

DERMAL LD₅₀ (rabbit): Not available.

SKIN IRRITATION: Corrosive

EYE IRRITATION: Corrosive

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 may 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: Corrosive liquid, acidic, organic, n.o.s. (Phosphonic Acids)
Hazard Class: 8
Identification Number (UN Number): UN3265
Packing Group (PG): II

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

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:

- Misc. formatting edits throughout.
- Section 1 – emergency telephone, corporate address updated.
- Section 2 – composition updated
- Section 3 – emergency overview updated, all potential health effects updated
- Section 5 – flash point, hazardous combustion products updated
- Section 7 – all handling/storage information updated
- Section 9 – pH, specific gravity updated
- Section 10 – hazardous decomposition products updated
- Section 11 – oral and dermal LD50 updated
- Section 12 – proper shipping name, UN number and packing group revised

DISCLAIMER:

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