

## Material Safety Data Sheet

### SeaKlear: Natural Stain Remover

#### 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: Natural Stain Remover  
**Synonyms:** None  
**Chemical Name:** 2-Hydroxy-1, 2,3 Propanetricarboxylic Acid  
**Chemical Formula:** Not available  
**CAS No.:** 77-92-9  
**EPA Re. No.:** Not applicable  
**Product Use:** Effective in removal of metallic stains in swimming pools.

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

CAS NO.	COMPONENT	%	OSHA HAZARDOUS?
77-92-9	Citric Acid	100	Yes

NOTE: See Section 8 for permissible exposure limits.

#### SECTION 3: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Odorless white crystals.

**CAUTION:** Causes severe eye irritation. Causes respiratory tract and skin irritation.

##### POTENTIAL HEALTH EFFECTS

**EYE:** Irritating to eyes resulting in stinging reddening, tearing and swelling.

**SKIN:** Irritating to skin resulting in reddening, stinging, and swelling.

**INHALATION:** Causes respiratory tract irritation

**INGESTION:** No known acute effects of this product resulting from ingestion.

**CHRONIC EXPOSURE/CARCINOGENICITY:** Not listed as a carcinogen by OSHA, IARC, or NTP.

**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. Rinse with copious amounts of water or milk. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. Incases where the individual is semi-comatose, comatose or convulsing, do not give fluids by mouth. In case of intentional ingestion of the product, seek medical assistance immediately; take individual to nearest medical facility.

**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.

**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, foam or dry chemical.

**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:** None known.

**METHODS FOR CLEANING UP:** Clean by vacuum or broom and remove to disposal container.

## SECTION 7: HANDLING AND STORAGE

### SAFE HANDLING RECOMMENDATIONS

**VENTILATION:** Use dilution ventilation to control dust level.

**FIRE PREVENTION:** No special requirements.

**SPECIAL HANDLING REQUIREMENTS:** Use appropriate PPE (see Section 8).

### SAFE STORAGE RECOMMENDATIONS

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

**STORAGE ROOM RECOMMENDATIONS:** Max. 207°C (product deteriorates).

**INCOMPATIBLE MATERIALS:** Reaction with caustic can create heat (strong exotherm). Solutions are mildly corrosive to carbon steel.

**STORAGE CONDITIONS:** Max. 207°C (product deteriorates).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use dilution ventilation to control dust level.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**EYE/FACE PROTECTION:** Chemical splash goggles.

**SKIN PROTECTION:** Long sleeve shirts and pants are recommended to avoid skin contact.

**HAND PROTECTION:** Chemical resistant gloves.

**RESPIRATORY PROTECTION:** A dust respirator is recommended. 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:** White  
**PHYSICAL FORM:** Solid  
**pH:** Not available  
**VAPOR DENSITY:** Not available  
**MELTING POINT:** Not available  
**SOLUBILITY IN WATER:** 59.2 g/100G at 68F

**SHAPE:** Crystals  
**ODOR:** None  
**VAPOR PRESSURE:** Not available  
**BOILING POINT:** Not available  
**FREEZING POINT:** Not available  
**SPECIFIC GRAVITY OR DENSITY:** 1.665

*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:** Reaction with caustic can create heat (strong exotherm). Solutions are mildly corrosive to carbon steel.

**MATERIALS TO AVOID (INCOMPATIBILITY):** Reaction with caustic can create heat (strong exotherm). Solutions are mildly corrosive to carbon steel.

**HAZARDOUS DECOMPOSITION PRODUCTS:** In case of fire, carbon monoxide, carbon dioxide, and other potentially toxic fumes.

**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:** Not available.

**EYE IRRITATION:** 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):

<b>Proper Shipping Name:</b>	Not Regulated
<b>Hazard Class:</b>	Not Regulated
<b>Identification Number (UN Number):</b>	Not Regulated
<b>Packing Group (PG):</b>	Not Regulated

### SECTION 15: REGULATORY INFORMATION

**TSCA STATUS:** 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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