

Material Safety Data Sheet

SeaKlear: Metal Klear

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): 800-424-9300 CHEMTREC (Domestic, North America)
+1-703-527-3887 CHEMTREC (International, collect calls accepted)

Material/Trade/Product Name: **SeaKlear: Metal Klear**
Synonyms: None
Chemical Name: Not available
Chemical Formula: Not available
CAS#: Not applicable, this product is a mixture.
EPA Registration #: Not applicable
Product Use: Multi-purpose stain control product.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	COMPONENT	%	OSHA HAZARDOUS?
64-02-8	Tetrasodium Ethylenediamine Tetraacetate	1 -15	YES
1310-73-2	Sodium Hydroxide	0.3 -1.0	YES

NOTE: All other components are non-hazardous. See Section 8 for permissible exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Rose to lavender liquid with no odor.

WARNING! May be harmful. May cause severe burns of respiratory and digestive tracts. Causes severe burns of the eyes and skin.

Corrosive to aluminum.

POTENTIAL HEALTH EFFECTS

EYE: Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

SKIN: Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. The feeling of irritation or pain may not occur until several hours after the exposure.

Additional symptoms of skin contact may include: hair loss Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

INHALATION: It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract. Symptoms are not expected at air concentrations below the recommended exposure limits

INGESTION: Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

CHRONIC EXPOSURE/CARCINOGENICITY: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

AGGRAVATION OF PRE-EXISTING CONDITIONS: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: upper respiratory tract, Skin, lung (for example, asthma-like conditions)

POTENTIAL ENVIRONMENTAL EFFECTS: See Section 12. Ecological Information.

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYE CONTACT: Wash immediately and continuously with flowing water for at least 15 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.

SKIN CONTACT: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and discard contaminated shoes.

INHALATION: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

INGESTION: Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave individual unattended.

NOTE TO PHYSICIANS: None

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: May form: carbon oxides, nitrogen oxides, toxic fumes

EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

PROTECTION OF FIREFIGHTERS: Keep people away. Isolate fire area and deny unnecessary entry. To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical, or foam. Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, pants, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with SCBA and fight fire from a remote location.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS: See Section 12. Ecological Information.

METHODS FOR CLEANING UP: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Scoop and sweep up all spilled product and other contaminated materials and place in marked disposal containers. If possible, clean up spill area on a dry basis and then flush with plenty of water. Absorb liquid on vermiculite, floor absorbent or other absorbent material.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING RECOMMENDATIONS

VENTILATION: Use only with adequate ventilation.

FIRE PREVENTION: No special requirements.

SPECIAL HANDLING REQUIREMENTS: Use appropriate PPE (see Section 8). Do not get in eyes. Avoid breathing mist. Avoid contact with skin or clothing. Wash thoroughly after handling.

SAFE STORAGE RECOMMENDATIONS

CONTAINMENT: Keep container closed when not in use.

STORAGE ROOM RECOMMENDATIONS: Storage temperature: 0 to 120 deg F (-17.7C to 48.9C).

STORAGE CONDITIONS: Product solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxyplastic equipment.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation is sufficient for most conditions. Local exhaust may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: Use chemical goggles. Eye wash fountain should be located in work area.

SKIN PROTECTION: Wear clean, long sleeved, body-covering clothing.

HAND PROTECTION: Use gloves chemically resistant to this material. When prolonged or frequently repeated contact could occur, use chemically protective clothing resistant to this material. If hands are cut or scratched, use gloves chemically resistant to this material, even for brief exposures.

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: Rose to lavender

PHYSICAL FORM: Liquid

pH: 10.5

VAPOR DENSITY: 0.6 (AIR=1)

MELTING POINT: Not available

SOLUBILITY IN WATER: Not available

SHAPE: Liquid

ODOR: None

VAPOR PRESSURE: 17.50 mmHg @ 68.00 °F / 20.00 °C

BOILING POINT: 219.00 °F / 219 °F @ 760.00 mmHg

FREEZING POINT: Not available

SPECIFIC GRAVITY OR DENSITY: 1.05 g/mL

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): Avoid contact with:, reactive metals such as aluminum and magnesium, steel, strong mineral acids, strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: May form: carbon oxides, nitrogen oxides (NOx), toxic fumes

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD₅₀ (rat): Not available.

DERMAL LD₅₀ (rabbit): Not available.

SKIN IRRITATION: Not available.

EYE IRRITATION: Not available.

SKIN SENSITIZATION: Not available.

ADDITIONAL INFORMATION: None.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.

MOBILITY: Not available.

PERSISTENCE AND DEGRADABILITY: Not available.

BIOACCUMULATIVE POTENTIAL: Not available.

ADDITIONAL INFORMATION: None 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, basic, organic, n.o.s. (Sodium Hydroxide, Tetrasodium Ethylenediamine Tetraacetate)
Hazard Class:	8
Identification Number (UN Number):	3267
Packing Group (PG):	III

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:

- No changes – Document reviewed for accuracy.

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