

Material Safety Data Sheet

SeaKlear Spa: Filter Cleaner Spray

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: HaloSource, Inc.
Corporate Address: 1631 220th 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 Spa: Filter Cleaner Spray
Synonyms: None
Chemical Name: Not available
Chemical Formula: Proprietary
CAS No.: Not Applicable
EPA Registration #: Not applicable
Product Use: Removes grime, oils and debris from swimming pool filter elements.
Helps restore filter efficiency.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	COMPONENT	%	OSHA HAZARDOUS ?
144-62-7	Ethanedioic Acid	>1	YES
Trade Secret	Trade Secret		

NOTE: See Section 8 for permissible exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear liquid with a citrus odor.

WARNING! Corrosive to skin and eyes. May be harmful if inhaled or swallowed.

POTENTIAL HEALTH EFFECTS

EYE: Very hazardous in case of eye contact (irritant, corrosive).

SKIN: Hazardous in case of skin contact (corrosive, irritant).

INHALATION: May be harmful if inhaled.

INGESTION: Not determined. Expected to be moderately toxic based on components.

CHRONIC EXPOSURE/CARCINOGENICITY: This substance not listed as a potential carcinogen by IARC.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Redness, watering, and itching characterize inflammation of the eye. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or occasionally, blistering.

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 plenty of water for at least 15 minutes. Call a physician (preferably an ophthalmologist) or a control center immediately.

SKIN CONTACT: In case of contact, immediately flush skin with water. Repeat washing. Remove contaminated clothing and shoes and wash thoroughly before reuse.

INHALATION: If exposure by inhalation is suspected, immediately move individual to fresh air. If nausea, headache, dizziness or difficulty breathing is present or individual is cyanotic, seek a health care professional immediately.

INGESTION: Do not induce vomiting. If victim is fully conscious, irrigate the esophagus and dilute stomach contents by slowly giving 1-2 glasses of water or milk to drink. Avoid giving alcohol or alcohol related products. In cases where victim is semi-comatose, comatose or convulsing, do not give fluids by mouth. Call a physician or a poison control center immediately.

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.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides (CO, CO₂)

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

PROTECTION OF FIREFIGHTERS: 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS: None known.

METHODS FOR CLEANING UP: Clean up spill immediately. Clay, soil, or commercially available absorbents may be used to recover any material that cannot readily be recovered.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING RECOMMENDATIONS

VENTILATION: Normal ventilation should be sufficient under normal conditions.

FIRE PREVENTION: No special requirements.

SPECIAL HANDLING REQUIREMENTS: Avoid contact with eyes. Solutions of this material are acidic and strongly irritating. Will attack most metals.

SAFE STORAGE RECOMMENDATIONS

CONTAINMENT: Keep containers tightly closed when not in use.

STORAGE ROOM RECOMMENDATIONS: Store in cool, dry place. Keep out of the reach of children.

INCOMPATIBLE MATERIALS: Strong acids, strong bases, strong oxidizers, and reducing agents. Reactive metals: iron, zinc, or aluminum and metallic nitrates.

STORAGE CONDITIONS: Store in cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: Safety glasses are recommended under normal conditions. Chemical splash goggles and face shield are recommended if splashing could occur.

SKIN PROTECTION: Chemical resistant clothing is recommended.

HAND PROTECTION: Chemical resistant gloves are recommended.

RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist.

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
144-62-7	1 mg/m ³	None Established	1 mg/m ³	2 mg/m ³	1 mg/m ³	2 mg/m ³

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**COLOR:** Clear**PHYSICAL FORM:** Liquid**pH:** <2**VAPOR DENSITY:** Not available**MELTING POINT:** Not applicable**SOLUBILITY IN WATER:** Soluble.**SHAPE:** Liquid**ODOR:** Citrus**VAPOR PRESSURE:** Not available**BOILING POINT:** Not available**FREEZING POINT:** Not available**SPECIFIC GRAVITY OR DENSITY:** Not available

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**CONDITIONS TO AVOID:** Extreme temperatures

MATERIALS TO AVOID (INCOMPATIBILITY): Strong acids, strong bases, strong oxidizers, and reducing agents.
Reactive metals: iron, zinc, or aluminum and metallic nitrates.

HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CO**HAZARDOUS POLYMERIZATION:** Will not occur**SECTION 11: TOXICOLOGICAL INFORMATION****ORAL LD₅₀ (rat):** Not available.**DERMAL LD₅₀ (rabbit):** Not available.**INHALATION:** 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):

DOT Proper Shipping Name:	Corrosive liquid, acidic, organic, n.o.s., (Ethanedioic acid)
DOT Hazard Class:	8
Packing Group:	III
UN Number:	3265

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: Section 1. Corporate address was updated.

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