

Material Safety Data Sheet

SeaKlear Spa: Spa-Sanitizing Granules

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: Spa-Sanitizing Granules
Synonyms: None
Chemical Name: Not available
Chemical Formula: Not available
CAS No.: Not applicable
EPA Re. No.: 46043-11-72083
Product Use: Spa Sanitizer

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	COMPONENT	%	OSHA HAZARDOUS ?
51580-86-0	Sodium Dichloro-S-Triazinetrione Dihydrate	99	Yes

NOTE: See Section 8 for permissible exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Solid white granular with a mild chlorine odor.

Severely irritating to eyes and skin. Irritating to respiratory tract and if ingested.

POTENTIAL HEALTH EFFECTS

EYE: Severe irritation and/or burns.

SKIN: Severe irritation and /or burn characterized by redness, swelling and scab formation.

INHALATION: Irritating to nose, mouth, throat and lungs. May cause burns to respiratory tract.

INGESTION: Irritation and burns can occur to the gastrointestinal tract, stomach and intestines.

CHRONIC EXPOSURE/CARCINOGENICITY: Repeated skin exposure may cause tissue destruction. Inhalation exposure may cause impairment of lung function and permanent lung damage.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Stinging, burning, coughing if inhaled. May irritate eyes with stinging, watering, inflammation; may cause chemical burns to eyes and surrounding tissue. May irritate skin with redness, swelling, and scab formation. May irritate gastrointestinal system if ingested.

AGGRAVATION OF PRE-EXISTING CONDITIONS: None known.

POTENTIAL ENVIRONMENTAL EFFECTS: None known.

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once.

SKIN CONTACT: Immediately flush with water for at least 15 minutes. Call physician. If clothing comes in contact with the product, remove immediately and launder before re-use.

INHALATION: Remove to fresh air. If breathing is difficult, administer oxygen, keep the person warm and at rest. Call a physician.

INGESTION: Do not induce vomiting. Immediately drink large quantities of water. Call a physician at once. Do not give anything by mouth if the person is unconscious or if having convulsions.

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

EXTINGUISHING MEDIA: Water spray or fog.

PROTECTION OF FIREFIGHTERS: Use water to cool containers exposed to fire. On small fires, use water spray or fog. On large fires, use heavy deluge or fog streams. Flooding amounts of water may be required before extinguishment can be accomplished. **Do not** use dry chemical extinguishers containing ammonia compounds.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS: None known.

METHODS FOR CLEANING UP: Do not contaminate spill material with any organic materials, ammonia, ammonium salts or urea. Clean up all spill material with clean. Dry dedicated equipment and place in a clean, dry container. If spilled material is dry, do not put water directly on it.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING RECOMMENDATIONS

VENTILATION: Use with adequate ventilation.

FIRE PREVENTION: No special requirements.

SPECIAL HANDLING REQUIREMENTS: Wash hands thoroughly after handling.

SAFE STORAGE RECOMMENDATIONS

CONTAINMENT: Keep container closed when not in use.

STORAGE ROOM RECOMMENDATIONS: Do not store at temperatures above 60°C/140°F

INCOMPATIBLE MATERIALS: Other oxidizers, organic materials, reducing agents, acids, bases, nitrogen containing compounds, dry fire extinguishers containing mono-ammonium phosphates.

STORAGE CONDITIONS: Product has an indefinite shelf life if stored at room temperature.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

SKIN PROTECTION: For operations where skin contact can occur, wear impervious apron and impermeable clothing.

HAND PROTECTION: Wear neoprene 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. An MSHA-NIOSH approved full facepiece respirator equipped with chlorine cartridges and a dust/mist type prefilter is recommended.

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:** 6.0 – 6.5**VAPOR DENSITY:** Not available**MELTING POINT:** Not available**SOLUBILITY IN WATER:** 29% @ 130°C**SHAPE:** Granular**ODOR:** Mild chlorine**VAPOR PRESSURE:** Not available**BOILING POINT:** Not available**FREEZING POINT:** Not available**SPECIFIC GRAVITY OR DENSITY:** 0.96 @ 20°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):** Other oxidizers, organic materials, reducing agents, acids, bases, nitrogen containing compounds, dry fire extinguishers containing mono-ammonium phosphates.**HAZARDOUS DECOMPOSITION PRODUCTS:** Nitrogen trichloride, chlorine, carbon monoxide.**HAZARDOUS POLYMERIZATION:** Not known.**SECTION 11: TOXICOLOGICAL INFORMATION****ORAL LD₅₀ (rat):** 738 MG/KG**DERMAL LD₅₀ (rabbit):** > 2G/KG**INHALATION LC₅₀ (rabbit):** > 50 MG/L (1 HOUR, RATS - NOMINAL CONCENTRATION)**SKIN IRRITATION:** Causes burns to skin.**EYE IRRITATION:** Causes burns to eyes.**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:	Not Regulated
Hazard Class:	Not Regulated
Identification Number (UN Number):	Not Regulated
Packing Group (PG):	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: Section 1. Corporate address was updated.

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