

## Material Safety Data Sheet

### SeaKlear: Thick Tile & Vinyl Cleaner

#### 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 (24 Hours):** 800-424-9300 CHEMTREC (Domestic, North America)  
703-527-3887 CHEMTREC (International, collect calls accepted)

**Material/Trade/Product Name:** **SeaKlear: Thick Tile & Vinyl Cleaner**  
**Synonyms:** None  
**Chemical Name:** Not applicable  
**Chemical Formula:** Not available  
**CAS No.:** Not applicable  
**EPA Re. No.:** Not applicable  
**Product Use:** Removes film, oils, and scum lines from tile and vinyl on swimming pools.

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

CAS NO.	COMPONENT	%	OSHA HAZARDOUS?
7664-38-2	Phosphoric Acid	10 -15	YES
	<i>All other components are either non-hazardous or below de minimus quantities.</i>	85 - 90	

NOTE: See Section 8 for permissible exposure limits.

#### SECTION 3: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Danger! Corrosive  
Causes eye and skin damage. Do not breathe vapor or fumes. May be harmful or fatal if swallowed.

Blue liquid with no odor.

##### POTENTIAL HEALTH EFFECTS

**EYE:** Can cause permanent eye injury. Symptoms may include stinging, tearing, redness, pain, blurred vision and eye burns.

**SKIN:** Corrosive to tissue. May cause redness, pain and moderate to severe burns.

**INHALATION:** Inhalation is not an expected hazard unless misted or hated to high temperatures. Mist or vapor inhalation can cause irritation to the nose, throat and upper respiratory tract.

**INGESTION:** Harmful or fatal if swallowed. Corrosive – may cause sore throat, abdominal pain, nausea and severe burns of the mouth, throat and stomach.

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

**AGGRAVATION OF PRE-EXISTING CONDITIONS:** None known.

**POTENTIAL ENVIRONMENTAL EFFECTS:** None known.

## **SECTION 4: FIRST AID MEASURES**

### **FIRST AID PROCEDURES**

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**SKIN CONTACT:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**INGESTION:** Seek medical attention immediately. Do not induce vomiting. If victim is alert, give ½ to 1 glass of water. Avoid alcohol. Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIANS:** None 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:** Phosphoric acid liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, carbamates, esters, caustics, phenols, ketenes, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, and organic peroxides. Phosphoric acid forms flammable gases with sulfides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulfide, fluorides, organic peroxides, and halogenated organics.

**HAZARDOUS COMBUSTION PRODUCTS:** None

**EXTINGUISHING MEDIA:** Use appropriate methods for combating surrounding fire.

**PROTECTION OF FIREFIGHTERS:** Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

**ENVIRONMENTAL PRECAUTIONS:** Prevent runoff from entering drains, sewers or other bodies of water.

**METHODS FOR CLEANING UP:** Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e.g., vermiculite, dry sand, earth) and place in a chemical waste container. Do not use saw dust. Do not flush to sewer.

## **SECTION 7: HANDLING AND STORAGE**

### **SAFE HANDLING RECOMMENDATIONS**

**VENTILATION:** Use adequate ventilation.

**FIRE PREVENTION:** Not applicable.

**SPECIAL HANDLING REQUIREMENTS:** Follow all MSDS/label precautions even after container is emptied because they may contain product residue.

### **SAFE STORAGE RECOMMENDATIONS**

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

**STORAGE ROOM RECOMMENDATIONS:** Store in a cool, dry place.

**INCOMPATIBLE MATERIALS:** Phosphoric acid liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, arbamates, esters, caustics, phenols, ketenes, organophosphates, opoxides, explosives, combustible materials, unsaturated halides, and organic peroxides. Phosphoric acid forms flammable gases with sulfides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulfide, fluorides, organic peroxides, and halogenated organics.

**STORAGE CONDITIONS:** Store in a cool, dry place.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Good general ventilation required.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**EYE/FACE PROTECTION:** Wear safety goggles and face shield. Remove contact lenses.

**SKIN PROTECTION:** Wear impervious clothing and boots.

**HAND PROTECTION:** Wear impervious gloves (made from rubber, nitrile or neoprene).

**RESPIRATORY PROTECTION:** When respiratory protection is required, use an acid gas cartridge. A respiratory program that meets OSHA's 29 CFR 1910.32 & ANSI Z88.2 requirements must be followed.

**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
7664-38-2	1 mg/m <sup>3</sup>	None	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****COLOR:** Blue**PHYSICAL FORM:** Liquid**pH:** < 1.0**VAPOR DENSITY:** Not available**MELTING POINT:** Not applicable**SOLUBILITY IN WATER:** Miscible**SHAPE:** Liquid**ODOR:** None**VAPOR PRESSURE:** Not available**BOILING POINT:** Not available**FREEZING POINT:** Not known**SPECIFIC GRAVITY OR DENSITY:** 1.100

*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:** High temperatures.

**MATERIALS TO AVOID (INCOMPATIBILITY):** Phosphoric acid liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, arbamates, esters, caustics, phenols, ketenes, organophosphates, opoxides, explosives, combustible materials, unsaturated halides, and organic peroxides. Phosphoric acid forms flammable gases with sulfides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulfide, fluorides, organic peroxides, and halogenated organics.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Phosphorous oxides may form when heated to decomposition.**HAZARDOUS POLYMERIZATION:** Will not occur.**SECTION 11: TOXICOLOGICAL INFORMATION****ORAL LD<sub>50</sub> (rat):** 1530 mg/kg (Phosphoric acid)**DERMAL LD<sub>50</sub> (rabbit):** Not available.**SKIN IRRITATION:** Not available.**EYE IRRITATION:** Not available.**SKIN SENSITIZATION:** Not available.**ADDITIONAL INFORMATION:** Phosphoric acid investigated as a mutagen.

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not available.

**MOBILITY:** Not available.

**PERSISTENCE AND DEGRADABILITY:** Not available.

**BIOACCUMULATIVE POTENTIAL:** Not available.

**ADDITIONAL INFORMATION:** When released into the soil this material may leach into groundwater. When released to water, acidity may be readily reduced by natural water hardness minerals. The phosphate may persist indefinitely.

## 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>	Corrosive liquid, n.o.s. (Phosphoric Acid)
<b>Hazard Class:</b>	8
<b>Identification Number (UN Number):</b>	UN1760
<b>Packing Group (PG):</b>	III

## SECTION 15: REGULATORY INFORMATION

**TSCA STATUS:** Components are listed

### CERCLA REPORTABLE QUANTITY (RQ):

CHEMICAL NAME	RQ
Phosphoric Acid	5000

### 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 – emergency contact information updated
  - Section 2 – components updated
  - Section 5 – unique fire properties revised
  - Section 6 – methods for cleaning up revised
  - Section 7 – incompatible materials revised
  - Section 9 – numerous physical properties revised/updated
  - Section 10 – materials to avoid revised
  - Section 11 & 12 – additional information added
  - Section 14 – transportation information updated
  - Section 15 – CERCLA RQ updated

**DISCLAIMER:**

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