

Vanson HaloSource, Inc.
Material Safety Data Sheet

Material Name: **Thick Tile & Vinyl Cleaner**
Telephone No. (425) 881-6464

VHI-MSDS-02.29 REV 03
Date Prepared: 07-06-05

24-HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: Vanson HaloSource, Inc.
Corporate Address: 14716 NE 87th Street, Redmond, WA 98052
Manufacturer's Telephone: (425) 881-6464 (Monday-Friday, 8AM-5PM PDT)
Emergency Telephone: 800-424-9300 Chemtrec (24 Hours)
Material/Trade/Product Name: Thick Tile & Vinyl Cleaner
Synonyms: None
Chemical Name: Phosphoric Acid
Chemical Formula: Not available
CAS No.: Not applicable
Product Use: Cleaning agent

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	HAZARDOUS INGREDIENT (S)	%	OSHA HAZARDOUS ?
7664-38-2	Phosphoric Acid	20.0	YES
67-63-0	Isopropanol	<5.0	YES

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.

Clear, viscous, light blue/green liquid with mint fragrance.

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.

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INHALATION: Inhalation is not an expected hazard unless misted or heated 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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Repeated overexposure may lead to contact dermatitis, may cause bronchitis with cough, phlegm, shortness of breath and emphysema, can cause chronic runny nose, tearing of the eyes, nosebleeds, and stomach upsets.

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: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not applicable
UPPER FLAMMABLE LIMIT: Not applicable
FLAMMABILITY CLASS (OSHA): None

AUTOIGNITION TEMPERATURE: Not applicable
LOWER FLAMMABLE LIMIT: Not applicable
FLAME PROPAGATION/BURNING RATE: Not applicable

UNIQUE FIRE PROPERTIES: None

HAZARDOUS COMBUSTION PRODUCTS: None

EXTINGUISHING MEDIA: Use appropriate methods for combating surrounding fire.

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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: Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

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: Strong alkalis, oxidizers, organic matter, certain metals.

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 glasses or goggles and face shield. Remove contact lenses.

SKIN PROTECTION: Wear impervious clothing and boots.

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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

INGREDIENT CAS NO.	PERMISSIBLE EXPOSURE LIMITS					
	OSHA		WISHA		ACGIH (TLV)	
	TWA	STEL	TWA	STEL	TWA	STEL
7664-38-2	1 mg/m ³	None	1 mg/m ³	3 mg/m ³	1 mg/m ³	3 mg/m ³
67-63-0	400 ppm	None	400 ppm	500 ppm	200 ppm	400 ppm

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: Light blue/green

PHYSICAL FORM: Liquid

pH: < 1.0

VAPOR DENSITY: Not established

MELTING POINT: Not applicable

SOLUBILITY IN WATER: Complete

SHAPE: Liquid

ODOR: Mint fragrance

VAPOR PRESSURE: Not established

BOILING POINT: > 212 F

FREEZING POINT: Not known

SPECIFIC GRAVITY OR DENSITY: 1.09

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: High temperature

MATERIALS TO AVOID (INCOMPATIBILITY): Strong alkalis, oxidizers, organic matter, certain metals

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, AND H₂

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD₅₀ (rat): 1530 mg/kg (Phosphoric acid)

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DERMAL LD₅₀ (rat): Not available

SKIN IRRITATION (rabbit): Not available

SKIN SENSITIZATION (guinea pig): Not available

EYE IRRITATION (rabbit): Not available

SECTION 12: ECOLOGICAL INFORMATION

Fish 96-hour LC ₅₀	=	Not available
Daphnia 48-hour LC ₅₀	=	Not available
Green algae 96-hour EC ₅₀	=	Not available
Fish Chronic Value (ChV)	=	Not available
Daphnia ChV	=	Not available
Algae ChV	=	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:	Corrosive liquid, acidic, inorganic, n.o.s.
Hazard Class:	8
Identification Number (UN Number):	UN3264
Packing Group (PG):	II

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: The intentional ingredients of product are listed.

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CERCLA REPORTABLE QUANTITY (RQ):

CHEMICAL NAME	RQ
Phosphoric acid	5000 lbs

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS):

CHEMICAL NAME	TPQ	RQ
Not applicable	None	None

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: In an attempt to make Vanson-HaloSource's MSDSs more user friendly, as well as to keep current with all applicable regulations, all of the sections in this MSDS have had slight to significant changes since the last revision.

DISCLAIMER:

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