

Vanson HaloSource, Inc.
Material Safety Data Sheet

Material Name: **Filter Cleaner**
Telephone No. (425) 881-6464

VHI-MSDS-02.29 REV 03
Date Prepared: 12-15-05

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: Filter Cleaner
Synonyms: None
Chemical Name: Not Applicable
Chemical Formula: Proprietary
CAS No.: Not Applicable
Product Use: Cleaning water filters

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	HAZARDOUS INGREDIENT (S)	%	OSHA HAZARDOUS ?
Proprietary	Proprietary blend of organic and inorganic alkaline cleaning agents	37.5	YES

NOTE: See Section 8 for permissible exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear liquid with a mild odor.

Can cause minor irritation to severe burns and tissue damage to exposed areas of body. Severity of injury depends largely on duration of exposure. Immediate action is necessary to limit severity of injury.

POTENTIAL HEALTH EFFECTS

EYE: Can cause minor irritation to severe burns and tissue damage to eyes.

SKIN: Can cause minor irritation to severe burns and tissue damage to skin.

INHALATION: Can cause minor irritation to severe burns and tissue damage when inhaled.

INGESTION: Can cause minor irritation to severe burns and tissue damage when ingested.

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye, skin, and respiratory tract irritation.

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, lifting eyelids occasionally. Get medical attention at once.

SKIN CONTACT: Remove contaminated clothing and immediately wash exposed area for 15 minutes. Get medical attention if necessary.

INHALATION: Move to fresh air. If breathing has stopped administer artificial respiration. Get medical attention immediately.

INGESTION: Give large amounts of water. Do not induce vomiting. Get medical attention immediately.

NOTE TO PHYSICIANS: None

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not applicable
UPPER FLAMMABLE LIMIT: Not applicable
FLAMMABILITY CLASS (OSHA): Not applicable

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 water, dry chemicals, carbon dioxide, sand or foam. Use extinguishing media appropriate for surrounding fire.

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. Water may be used to keep fire-exposed containers cool until fire is out.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS: None

METHODS FOR CLEANING UP: Contain large spills and pump to recover. Small spills can be mopped up and recovered. Contaminated area should be neutralized using dilute acid.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING RECOMMENDATIONS

VENTILATION: Use general ventilation

FIRE PREVENTION: Not flammable

SPECIAL HANDLING REQUIREMENTS: Use appropriate PPE

SAFE STORAGE RECOMMENDATIONS

CONTAINMENT: Use secondary containment

STORAGE ROOM RECOMMENDATIONS: Store in cool, dry place. Keep container closed when not in use; keep out of the reach of children.

INCOMPATIBLE MATERIALS: Acids, some metals

STORAGE CONDITIONS: Store in cool, dry place. Keep container closed when not in use; keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: Safety glasses are recommended under normal conditions.

SKIN PROTECTION: Chemical resistant clothing is recommended to minimize potential irritation from handling.

HAND PROTECTION: Chemical resistant gloves are recommended to minimize potential irritation from handling.

RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist.

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GOOD HYGEIENE/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
Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary	Proprietary

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: Clear	SHAPE: Liquid
PHYSICAL FORM: Liquid	ODOR: Mild
pH: 13	VAPOR PRESSURE: 0.88 @ 25° C
VAPOR DENSITY: 4.10	BOILING POINT: >212° F
MELTING POINT: Not applicable	FREEZING POINT: Not known
SOLUBILITY IN WATER: Soluble.	SPECIFIC GRAVITY OR DENSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Extreme temperatures

MATERIALS TO AVOID (INCOMPATIBILITY): Acids, some metals

HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CO

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD₅₀ (rat): Not available

DERMAL LD₅₀ (rat): Not available

SKIN IRRITATION (rabbit): Not available

SKIN SENSITIZATION (guinea pig): Not available

EYE IRRITATION (rabbit): Not available

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SECTION 12: ECOLOGICAL INFORMATION

Fish 96-hour LC₅₀ =Not available
Daphnia 48-hour LC₅₀ =Not available
Green algae 96-hour EC₅₀ =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):

DOT Proper Shipping Name: *Corrosive liquid, basic, inorganic, n.o.s.
DOT Hazard Class: *8
Packing Group: *II
UN Number: *3266

*VHI ships this product as a "Consumer Commodity ORM-D" in compliance with 49CFR173.154.

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: Not listed

CERCLA REPORTABLE QUANTITY (RQ):

CHEMICAL NAME	RQ
Proprietary	Proprietary

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

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CHEMICAL NAME	TPQ	RQ
None	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 (%)
Proprietary	Proprietary	Proprietary

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 (%)
None	Not applicable	Not applicable

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

Section 3 – More stringent warnings replaced less stringent warnings under Potential Health Effects.

DISCLAIMER:

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The above information is based upon information Vanson-HaloSource Inc. believes to be reliable and is supplied for informational purposes only. Vanson-HaloSource Inc. disclaims any liability for damage which results from the use of the above information and nothing contained therein shall constitute a guarantee, warranty (including fitness for a particular purpose) or representation with respect to the accuracy or completeness of the data, the product described or their use for any specific purpose even if that purpose is known to Vanson-HaloSource Inc. The final determination of the suitability of the information, the manner of use of the information or product and potential infringement is the sole responsibility of the user.

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MSDS PREPARED BY: Jeremy Heath, EH&S Specialist