

MSDS Document

Product LIQUID FILTER CLEANER

1. Chemical Product and Company Identification

Trade Name of this Product LIQUID FILTER CLEANER

MSDS ID MSDS2570

Manufacturer

Haviland Consumer Products, Inc.
421 Ann Street N.W.
Grand Rapids, MI 49504

Phone Number

(616) 361-6691

Emergency Phone

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

Revision Date 00/00/00

Health:	2
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Phosphoric Acid	7664-38-2		1 mg/m3	1 mg/m3	3 mg/m3
Hydrochloric acid	7647-01-0		5 ppm ceiling	5 ppm ceiling	
Proprietary Ingredients	Proprietary				

3. Hazard Identification

Emergency Overview

Corrosive to eyes and skin. Harmful if swallowed. Inhalation may cause damage to the upper respiratory tract.

Health Effects

Corrosive to all body tissues with which it comes in contact. Inhalation of spray or mist may result in various degrees of irritation or damage to the respiratory tract tissues.

Carcinogenicity

None of the components present in this material are listed by IARC or NTP as a carcinogen.

Reproductive Effects

None known

Routes of Entry

Inhalation, Ingestion, Skin or Eye Contact

4. First Aid Information

Eye Contact

Flush immediately with plenty of water for at least 15 minutes, get medical attention.

Skin Contact

Flush with water for at least 15 minutes while removing contaminated clothing. If irritation persists, get medical attention.

Inhalation

Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.

Ingestion

Call a physician immediately. Do not induce vomiting. Dilute by drinking water or milk. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point N/A

Extinguishing Media

Water spray, foam, carbon dioxide, dry chemical

Special Fire Fighting Procedures

Fire fighters should wear full protective clothing including self-contained breathing apparatus.

Unusual Fire Hazard

Reacts with most metals, especially when dilute: Hydrogen gas release (Extremely flammable, explosive).

6. Accidental Release Measures

Spill and Leak Procedures

Wear appropriate personal protection including protective clothing and provide adequate ventilation during clean up. Collect spill with an absorbent material and place in a covered waste disposal container. Flush spill area with water.

7. Handling and Storage

Handling Procedures

Use with adequate ventilation. Avoid breathing vapors or mists. Do not get in eyes, on skin,

or on clothing. Wash thoroughly after handling.

Storage Procedures

Store away from heat and out of direct sunlight. Store in a well ventilated, dry area away from incompatible materials.

8. Exposure Controls and Personal Protection

Engineering Controls

Provide ventilation sufficient to maintain exposure below the recommended limits.

Eye Protection

Chemical safety goggles

Protective Gloves

Rubber or other impervious materials.

Respiratory Protection

When respirators are required, select NIOSH/MSHA approved air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against acid gases.

Other Protective Equipment

Flowing water source should be available. Prevent contact with skin & clothing by using protective garments.

9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	1.13
Color/Appearance	Clear, blue liquid
pH	Not Established
Boiling/Cond. Point	Not Established
Melting/Freezing Point	Not Established
Solubility	Complete
Vapor Density	Not Established
Vapor Pressure	Not Established

10. Stability and Reactivity

Chemical Stability

Stable under normal conditions

Conditions to Avoid

Excessive heat.

Incompatible Materials

This product may react with strong alkalis. Explosive hydrogen gas may be released if aqueous solutions of this material come into contact with reactive metals.

Hazardous Decomposition Products

Hydrogen gas, chlorine gas, hydrogen chloride gas. Toxic fumes of phosphorus pentoxide.

Hazardous Polymerization

Will not occur.

11. Toxicological Information

No information available.

12. Ecological Information

No information available.

13. Disposal Considerations

Waste Disposal

Neutralized waste must be disposed of in accordance with applicable federal, state, and local regulations.

14. Transportation Information

DOT Shipping Name

Compound, cleaning liquid (phosphoric acid, hydrochloric acid)

Hazard Class

8, Corrosive

UN Number

UN1760

Packing Group

PG III

NOTE: Corrosive materials in Packing Group III in inner packagings not over 4.0 L (1 gallon) for liquids or 5.0 kg (11 pounds) for solids, packed in strong outer packagings, may be renamed "Consumer Commodity" and reclassified as ORM-D material.

15. Regulatory Information

TSCA

Hazardous Component(s) subject to reporting on the TSCA List.

WHMIS

Hazardous Component(s) subject to WHMIS Ingredient Disclosure.

16. Other Information

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

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