

HAVILAND CONSUMER PRODUCTS, INC
SAFETY DATA SHEET



Section 1: Identification

Product Name: Spa Pure Filter Cleaner Product Code: c003732

Haviland Consumer Products, Inc.
421 Ann Street NW
Grand Rapids, MI 49504
(616) 361-6691

Emergency Phone
CHEMTREC (800) 424-9300
CHEMTREC International (703) 527-3887

Product Use: NA
Not recommended for: NA

Section 2: Hazard(s) Identification

GHS Ratings:

| | | |
|-------------------------------|----|---|
| Corrosive to metals | 1 | Corrosive to metals |
| Skin corrosive | 1A | Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal |
| Eye corrosive | 1 | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Respiratory sensitizer | 1 | Respiratory sensitizer |
| Organ toxin single exposure | 1 | Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies, Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidan |
| Organ toxin repeated exposure | 1 | Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidanc |
| Aquatic toxicity | A1 | Acute toxicity <= 1.00 mg/l |

GHS Hazards

| | |
|------|---|
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H370 | Causes damage to organs |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |

GHS Precautions

| | |
|------|---|
| P234 | Keep only in original container |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray |
| P264 | Wash face, hands, and any exposed skin thoroughly after handling |
| P270 | Do not eat, drink or smoke when using this product |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P285 | In case of inadequate ventilation wear respiratory protection |
| P310 | Immediately call a POISON CENTER or doctor/physician |

| | |
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| P314 | Get Medical advice/attention if you feel unwell |
| P321 | Specific treatment (see first aid treatment on SDS) |
| P363 | Wash contaminated clothing before reuse |
| P390 | Absorb spillage to prevent material damage |
| P391 | Collect spillage |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P307+P311 | IF exposed: Call a POISON CENTER or doctor/physician |
| P342+P311 | If experiencing respiratory symptoms call a POISON CENTER or doctor/physician |
| P405 | Store locked up |
| P406 | Store in a corrosive resistant container with a resistant inner liner |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations |

Danger



Section 3: Composition/Information on Ingredients

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|-------------------------|---|--|
| Phosphoric acid 7664-38-2 10 to 20% | 1 mg/m ³ TWA | 3 mg/m ³ STEL 1 mg/m ³ TWA | NIOSH: 1 mg/m ³ TWA 3 mg/m ³ STEL |
| Hydrogen chloride 7647-01-0 1 to 5% | | 2 ppm Ceiling | NIOSH: 5 ppm Ceiling; 7 mg/m ³ Ceiling |
| Trade Secret 1 to 5% | | | |

Section 4: First-aid Measures**Inhalation**

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-fighting Measures

LEL:

UEL:

Extinguishing Media

Water spray, foam, carbon dioxide, dry chemical

Specific Hazards Arising from the Chemical

Emits toxic fumes under fire conditions.

Special Protective Equipment and Precautions for Firefighters

Special Information: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures**Spill and Leak Procedures**

Put on appropriate personal protective equipment. Evacuate surrounding areas if necessary. Vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Ventilate area and wash spill site after cleanup is complete.

Section 7: Handling and Storage**Handling Procedures**

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

STORAGE: Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct s

Section 8: Exposure Control/Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--------------------------------|-------------------------|---|--|
| Phosphoric acid 7664-38-2 | 1 mg/m ³ TWA | 3 mg/m ³ STEL 1 mg/m ³ TWA | NIOSH: 1 mg/m ³ TWA 3 mg/m ³ STEL |
| Hydrogen chloride 7647-01-0 | | 2 ppm Ceiling | NIOSH: 5 ppm Ceiling; 7 mg/m ³ Ceiling |
| Trade Secret N/A | | | |

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGIENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

| | |
|--|---|
| Appearance: White crystals Vapor Pressure: Unknown Vapor Density: Unknown Density: Unknown Freezing point: Unknown Boiling range: Decomposes @ 408°F (209°C) Evaporation rate: Unknown Explosive Limits: Unknown Autoignition temperature: Unknown Viscosity: Unknown | Odor: Odorless Odor threshold: Unknown pH: 1.2 (1% solution) Melting point: Unknown Solubility: Slight Flash point: Unknown Flammability: Unknown Specific Gravity: Unknown Decomposition temperature: Unknown Grams VOC less water: Unknown |
|--|---|

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Strong oxidizing agents and strong bases.

Conditions to Avoid

Avoid conditions that favor the formation of excessive dust. Avoid excessive heat and sources of ignition. Avoid conditions of moisture.

Hazardous Decomposition Products

Oxides of sulfur.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 3,248mg/kg

Inhalation Toxicity LC50: 40mg/L

Component Toxicity

7664-38-2

Phosphoric acid

Oral LD50: 1,530 mg/kg (Rat) Dermal LD50: 2,740 mg/kg (Rabbit)

Routes of Entry:

Inhalation

Ingestion

Skin contact

Eye contact

Eyes Skin Respiratory System

Effects of Overexposure

Emergency Overview

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

Acute Health Effects

Causes burns to eyes and skin, may be harmful if absorbed. Material is extremely destructive to the tissue of the mucous membrane and upper respiratory tract. May be harmful if inhaled or swallowed.

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|--------------------------|
|-------------------|--------------------|-----------------|--------------------------|

Section 12: Ecological Information

Component Ecotoxicity

Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14: Transportation Informations

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any .

Section 15: Regulatory Information

CERCLA/SARA Hazardous Substances

7647-01-0 Hydrogen chloride

7664-38-2 Phosphoric acid

DEA List I and II Chemicals

7647-01-0 Hydrogen chloride

OSHA Process Safety Management Highly Hazardous Chemicals

7647-01-0 Hydrogen chloride

U.S. Clean Air Act Toxic and Flammable Substances

7647-01-0 Hydrogen chloride

SARA 313

7647-01-0 Hydrogen chloride

| <u>Country</u> | <u>Regulation</u> | <u>All Components Listed</u> |
|----------------|-------------------|------------------------------|
|----------------|-------------------|------------------------------|

Section 16: Other Information

Disclaimer

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.