

**HAVILAND CONSUMER PRODUCTS, INC**  
**SAFETY DATA SHEET**



**Section 1: Identification**

Product Name: Proteam Spa Surface Cleaner    Product Code: c003948

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                      |

|                |   |
|----------------|---|
| 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<br>7664-38-2<br>20 to 30%  | 1 mg/m <sup>3</sup> TWA | 3 mg/m <sup>3</sup> STEL<br>1 mg/m <sup>3</sup> TWA | NIOSH: 1 mg/m <sup>3</sup> TWA<br>3 mg/m <sup>3</sup> STEL |
| Hydrogen chloride<br>7647-01-0<br>5 to 10% |                         | 2 ppm Ceiling                                       | NIOSH: 5 ppm Ceiling;<br>7 mg/m <sup>3</sup> Ceiling       |

**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**

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

**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**

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.

**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 sunlight.

**Section 8: Exposure Control/Personal Protection**

| Chemical Name / CAS No.        | OSHA Exposure Limits | ACGIH Exposure Limits       | Other Exposure Limits                 |
|--------------------------------|----------------------|-----------------------------|---------------------------------------|
| Phosphoric acid<br>7664-38-2   | 1 mg/m3 TWA          | 3 mg/m3 STEL<br>1 mg/m3 TWA | NIOSH: 1 mg/m3 TWA<br>3 mg/m3 STEL    |
| Hydrogen chloride<br>7647-01-0 |                      | 2 ppm Ceiling               | NIOSH: 5 ppm Ceiling; 7 mg/m3 Ceiling |

**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.

**HYGENIC 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

|   |  |
|---|--|
| <p><b>Appearance:</b> Clear to slightly turbid red liquid</p> <p><b>Vapor Pressure:</b> Unknown</p> <p><b>Vapor Density:</b> Unknown</p> <p><b>Density:</b> Unknown</p> <p><b>Freezing point:</b> Unknown</p> <p><b>Boiling range:</b> Unknown</p> <p><b>Evaporation rate:</b> Unknown</p> <p><b>Explosive Limits:</b> Unknown</p> <p><b>Autoignition temperature:</b> Unknown</p> <p><b>Viscosity:</b> Unknown</p> | <p><b>Odor:</b> Unknown</p> <p><b>Odor threshold:</b> Unknown</p> <p><b>pH:</b> Unknown</p> <p><b>Melting point:</b> Unknown</p> <p><b>Solubility:</b> Complete</p> <p><b>Flash point:</b> Unknown</p> <p><b>Flammability:</b> Unknown</p> <p><b>Specific Gravity:</b> 1.15</p> <p><b>Decomposition temperature:</b> Unknown</p> <p><b>Grams VOC less water:</b> Unknown</p> |
|---|--|

#### Section 10: Stability and Reactivity

**Chemical Stability:**

STABLE

**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. Oxidizers and reducers

**Conditions to Avoid**

Excessive heat.

**Hazardous Decomposition Products**

Upon decomposition, this product emits carbon monoxide, carbon dioxide, nitrogen oxides, and/or low molecular weight hydrocarbons. Hydrogen gas, chlorine gas, hydrogen chloride gas. Toxic fumes of phosphorus pentoxide.

**Hazardous Polymerization**

Hazardous polymerization will not occur.

#### Section 11: Toxicology Information

**Mixture Toxicity**

Oral Toxicity LD50: 2,714mg/kg

Inhalation Toxicity LC50: 32mg/L

**Routes of Entry:**

Inhalation

Ingestion

Skin contact

Eye contact

**Target Organs**

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.

### 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.

CAS Number

Description

% Weight

Carcinogen Rating

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

Country

Regulation

All Components Listed

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.