

HAVILAND CONSUMER PRODUCTS, INC

SAFETY DATA SHEET



Section 1: Identification

Product Name: Vitalyse Spa Water Hardener Product Code: C007886

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

Emergency Phone:

CHEMTREC: Canada and USA - (800) 424-9300

CHEMTREC: In Mexico - 01-800-681-9531

Product Use:

Not recommended for:

Section 2: Hazard(s) Identification

GHS Ratings:

Acute Toxicity - Oral 4

Skin corrosion/irritation 2

Serious eye damage/eye irritation 2A

Oral>300+<=2000mg/kg

Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation

Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards

H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation

GHS Precautions

P264 Wash face, hands, and any exposed skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves/protective clothing/eye protection/face protection
P321 Specific treatment (see first aid treatment on SDS)
P330 Rinse mouth
P362 Take off contaminated clothing and wash before reuse
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 If on skin: Wash with plenty of soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice / attention
P337+P313 If eye irritation persists get medical advice / attention

Warning**Section 3: Composition/Information on Ingredients**

*The specific chemical name and/or concentration of the composition has been withheld as trade secret.

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Calcium Chloride 10043-52-4 80% - 90%			
Water 7732-18-5 10% - 20%			
Potassium chloride 7447-40-7 1% - 5%			
Sodium chloride 7647-14-5 1% - 5% Vapor Pressure: 1 mmHg			

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

Extinguishing Media

Use media suitable for the surrounding fire.

Specific Hazards Arising from the Chemical

Hydrogen Chloride Gas and Calcium Oxide

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

Personal Precautions: Minimize dust levels while collecting product (see "Inhalation" health effects). Prevent exposure to dust with NIOSH approved respirators with HEPA filters. Minimize prolonged skin contact by using gloves.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Dry product may be landfilled if permitted by local regulations. Discard empty container in trash. Wastewater containing product may be disposed of in accordance with all federal and state/provincial regulations, and local ordinances.

Methods for Containment: For dry product spills, collect material in an approved container while minimizing dust generation. Vacuum, as appropriate, remaining dust on floor.

Methods for Cleanup: Recycle or dispose of product, as necessary, in accordance with regulations. Wipe up small spills with a damp cloth. Dispose of according to local regulations.

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 Requirements

Store containers in a cool, dry, well ventilated place. Keep container closed when not in use.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Calcium Chloride 10043-52-4			
Water 7732-18-5			
Potassium chloride 7447-40-7			
Sodium chloride 7647-14-5			

ENGINEERING CONTROLS: Provide ventilation sufficient to maintain exposure below the recommended limits.

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

Physical State: Flakes Odor (threshold): Odorless Solubility: Readily Flammability: Not Available Flash Point: Not Available Lower & Upper Not Available Explosion/Flamability limit: pH: Not Available Vapor Pressure (Evap. Rate): Not Available Relative Density: Not Available	Color: White Melting/Freezing Point: 772°C Boiling Point: Not Available Auto-Ignition Temperature: Not Available Decompositon Temperature: Not Available Partition Coefficient n- Not Available octanol/water (log value): Kinematic Viscosity: Not Available Density: 51 - 61 lb/ft3 Specific Gravity: Not Available
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Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Heat is generated when mixed with water or aqueous acids. Spattering and boiling can occur. Avoid contact with: bromide trifluoride, 2-furan percarboxylic acid because calcium chloride is incompatible with those substances. Contact with zinc forms flammable hydrogen gas, which can be explosive. Catalyzes exothermic polymerization of methyl vinyl ether. Attacks metals in the presence of moisture, and may release flammable hydrogen gas. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromates

Conditions to Avoid

Avoid moisture. large amounts of heat generated when dissolving.

Hazardous Decomposition Products

See Incompatibilities

Hazardous Polymerization

Will not occur

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 1,155mg/kg

Dermal Toxicity LD50: 3,094mg/kg

Inhalation Toxicity LC50: 2,800mg/L

Component Toxicity

Routes of Entry:

Inhalation

Ingestion

Skin contact

Eye contact

Target Organs

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

Section 12: Ecological Information

Component Ecotoxicity

Calcium Chloride	96 Hr LC50 Lepomis macrochirus: 10650 mg/L 48 Hr LC50 Daphnia magna: 2400 mg/L
Potassium chloride	96 Hr LC50 Lepomis macrochirus: 1060 mg/L ; 96 Hr LC50 Pimephales promelas: 750 - 1020 mg/L 48 Hr EC50 Daphnia magna: 825 mg/L; 48 Hr EC50 Daphnia magna: 83 mg/L [Static] 72 Hr EC50 Desmodemus subspicatus: 2500 mg/L
Sodium chloride	96 Hr LC50 Lepomis macrochirus: 5560 - 6080 mg/L ; 96 Hr LC50 Lepomis macrochirus: 12946 mg/L ; 96 Hr LC50 Pimephales promelas: 6020 - 7070 mg/L ; 96 Hr LC50 Pimephales promelas: 7050 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 6420 - 6700 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 4747 - 7824 mg/L 48 Hr EC50 Daphnia magna: 1000 mg/L; 48 Hr EC50 Daphnia magna: 340.7 - 469.2 mg/L [Static]

Section 13: Disposal Considerations

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

Section 14: Transportation Information

The following is for US DOT Highway Transportation . Other modes/jurisdictions may have different classifications and have not been disclosed in this section.

UN Code: Not Applicable

DOT Name: Not Applicable

Hazard Class: Not Applicable

Packing Group: Not Applicable

Section 15: Regulatory Information

CERCLA/SARA Hazardous Substances

SARA 313

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 (40 CFR 372):

This information must be included in all SDSs that are copied and distributed for this material.

TSCA 8(b) Inventory

7647-14-5 Sodium chloride

7447-40-7 Potassium chloride
7732-18-5 Water
10043-52-4 Calcium Chloride

Country

Regulation

All Components Listed

Section 16: Other Information

Date Prepared: 10/22/2024

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.