

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



**Section 1: Identification**

Product Name: Spa Pure Liquid Hardness Inc. Product Code: C002728

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: Swimming Pool  
Not recommended for: No data available

**Section 2: Hazard(s) Identification**

**GHS Ratings:**

|                               |              |   |
|-------------------------------|--------------|---|
| Oral Toxicity                 | Acute Tox. 4 | Oral>300+<=2000mg/kg  |
| Skin corrosive                | 2            | Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation  |
| Eye corrosive                 | 1            | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5  |
| Organ toxin single exposure   | 3            | Transient target organ effects- Narcotic effects- Respiratory tract irritation  |
| Organ toxin repeated exposure | 2            | Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases |

**GHS Hazards**

|      |   |
|------|---|
| H302 | Harmful if swallowed  |
| H315 | Causes skin irritation  |
| H318 | Causes serious eye damage   |
| H336 | May cause drowsiness or dizziness                                 |
| H373 | May cause damage to organs through prolonged or repeated exposure |

**GHS Precautions**

|      |   |
|------|---|
| 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                        |
| P271 | Use only outdoors or in a well-ventilated area                            |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P310 | Immediately call a POISON CENTER or doctor/physician                      |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell               |
| P314 | Get Medical advice/attention if you feel unwell                           |
| 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 soap and water  |
| P304+P340      | IF INHALED: 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 |
| P332+P313      | If skin irritation occurs: Get medical advice/attention   |
| P405           | Store locked up   |
| P403+P233      | Store in a well ventilated place. Keep container tightly closed   |
| 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 |
|--|----------------------|-----------------------|-----------------------|
| Trade Secret<br>80 to 90%                  |                      |                       |                       |
| Potassium chloride<br>7447-40-7<br>1 to 5% |                      |                       |                       |
| Trade Secret<br>1 to 5%                    |                      |                       |                       |

**Section 4: First-aid Measures**

**Inhalation**

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

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.

**Skin Contact**

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

**Ingestion**

If swallowed, do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and

transport to a medical facility. Never give anything by mouth to an unconscious or convulsive person.

#### Section 5: Fire-fighting Measures

##### Extinguishing Media

Use media suitable for the surrounding fires.

##### Specific Hazards Arising from the Chemical

The product itself does not burn. When calcium chloride is being dissolved in water, large amounts of heat develop.

##### Special Protective Equipment and Precautions for Firefighters

Keep unnecessary people away, isolate hazard area and deny entry. This material does not burn. Fight fire for other material that is burning. Water should be applied in large quantities as fine spray. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Wear protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations.

#### Section 6: Accidental Release Measures

Wear appropriate protective equipment and clothing during clean up. Sweep spill and transfer material into appropriate container(s) for disposal.

#### Section 7: Handling and Storage

##### Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Heat developed during diluting or dissolving is very high. Use cool water when diluting or dissolving (temperature less than 80°F, 27°C). Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container tightly closed when not in use.

##### Conditions for safe storage, including any incompatibilities

Keep container closed. Store in a dry place. Protect from atmospheric moisture.

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

| Chemical Name / CAS No.         | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---------------------------------|----------------------|-----------------------|-----------------------|
| Trade Secret<br>N/A             |                      |                       |                       |
| Potassium chloride<br>7447-40-7 |                      |                       |                       |
| Trade Secret<br>N/A             |                      |                       |                       |

##### Engineering Controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

**Eye Protection**

Wear safety glasses with side-shields. For dusty operations or when handling solutions of the material, wear chemical goggles.

**Respiratory Protection**

If ventilation is not sufficient to effectively prevent buildup of dust, appropriate NIOSH/MSHA particulate respirator must be provided.

**Skin and Body Protection**

Wear chemical resistant gloves, footwear, and protective clothing appropriate for the risk exposure .

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| <b>Section 9: Physical and Chemical Properties</b> |
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|--|---|
| <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>Appearance:</b> White flakes</p> <p><b>Vapor Pressure:</b> Negligible at ambient temperature</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>Flammability:</b> Unknown</p> <p><b>Specific Gravity:</b> Unknown</p> <p><b>Decomposition temperature:</b> Unknown</p> <p><b>Grams VOC less water:</b> Unknown</p> <p><b>Odor:</b> Odorless</p> <p><b>Odor threshold:</b> Unknown</p> <p><b>pH:</b> Unknown</p> <p><b>Melting point:</b> 260°C (500°F)</p> <p><b>Solubility:</b> readily soluble</p> <p><b>Flash point:</b> Unknown</p> |
|--|---|

|   |
|---|
| <b>Section 10: Stability and Reactivity</b> |
|---|

**Stability**

STABLE

**Incompatible Materials**

Heat is generated when mixed with water. Spattering and boiling can occur. Avoid contact with: Sulfuric acid. Corrosive when wet. Flammable hydrogen may be generated from contact with metals such as: Zinc. Sodium. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromate.

**Conditions to Avoid**

Avoid conditions of moisture.

**Hazardous Decomposition Products**

Does not decompose

Hazardous polymerization will not occur.

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| <b>Section 11: Toxicology Information</b> |
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**Mixture Toxicity**

Oral Toxicity LD50: 1,155mg/kg

Dermal Toxicity LD50: 3,094mg/kg

**Component Toxicity****Routes of Entry**

## Effects of Overexposure

### Acute Toxicity

**Inhalation:** Dust may cause irritation to upper respiratory tract (nose and throat).

**Skin contact:** Brief contact is essentially nonirritating to skin. Prolonged contact may cause skin irritation, even a burn. Not classified as corrosive to the skin according to DOT guidelines. May cause more severe response if skin is damp. May cause more severe response if skin is abraded (scratched or cut). May cause more severe response on covered skin (under clothing, gloves).

**Eye contact:** For solid: May cause slight eye irritation, mechanical injury only. Dust formation should be avoided, as dust can cause severe eye irritation with corneal injury.

**Ingestion:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Swallowing may result in gastrointestinal irritation or ulceration.

### Chronic Effects

For the minor component(s): Potassium chloride - In animals, effects have been reported on the following organs after ingestion: Gastrointestinal tract, Heart, and Kidney. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use. Medical experience with sodium chloride has shown a strong association between elevated blood pressure and prolonged dietary overuse. Related effects could occur in the kidneys.

### Carcinogenicity

This product is not classified as a carcinogen by NTP, IARC or OSHA.

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

## Section 12: Ecological Information

### Component Ecotoxicity

|                    |  |
|--------------------|--|
| Trade Secret       | 96 Hr LC50 Lepomis macrochirus: 10650 mg/L [static]<br>48 Hr LC50 Daphnia magna: 2400 mg/L   |
| Potassium chloride | 96 Hr LC50 Lepomis macrochirus: 1060 mg/L [static]; 96 Hr LC50 Pimephales promelas: 750 - 1020 mg/L [static]<br>48 Hr EC50 Daphnia magna: 825 mg/L; 48 Hr EC50 Daphnia magna: 83 mg/L [Static]<br>72 Hr EC50 Desmodemus subspicatus: 2500 mg/L   |
| Trade Secret       | 96 Hr LC50 Lepomis macrochirus: 5560 - 6080 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 12946 mg/L [static]; 96 Hr LC50 Pimephales promelas: 6020 - 7070 mg/L [static]; 96 Hr LC50 Pimephales promelas: 7050 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 6420 - 6700 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4747 - 7824 mg/L [flow-through]<br>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 all Federal, State and local regulations

## Section 14: Transportation Information

Water treatment compound non-regulated.

## Section 15: Regulatory Information

Country

Regulation

All Components Listed

Section 16: Other Information

Date Prepared: 2/27/2020

**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.