

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



**Section 1: Identification**

Product Name: Spa Oxidizer-Shock    Product Code: C007102

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: Spa Treatment

Not recommended for: NA

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

**GHS Ratings:**

Acute Toxicity - Oral	4	Oral>300+<=2000mg/kg
Skin corrosion/irritation	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
Serious eye damage/eye irritation	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days
Respiratory sensitization	1	Respiratory sensitizer
Skin sensitization	1	Skin sensitizer

**GHS Hazards**

H302	Harmful if swallowed
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H320	Causes eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

**GHS Precautions**

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
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P285	In case of inadequate ventilation wear respiratory protection
P321	Specific treatment (see first aid treatment on SDS)
P330	Rinse mouth
P363	Wash contaminated clothing 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.
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.
P332+P313	If skin irritation occurs: Get medical advice / attention
P333+P313	If skin irritation or rash occurs: Get medical advice / attention.
P337+P313	If eye irritation persists get medical advice / attention
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.
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
Sodium bicarbonate 144-55-8 40% - 50%			
Sodium persulfate 7775-27-1 40% - 50%			

**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**

Water. Cool containers with flooding quantities of water until well after fire is out.

**Specific Hazards Arising from the Chemical**

Decomposes under fire conditions to release oxygen that intensifies the fire.

**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.

<b>Section 6: Accidental Release Measures</b>
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**Spill and Leak Procedures**

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Vacuum, shovel or pump waste into a drum and label contents for disposal. Avoid dust formation. Store in closed container.

<b>Section 7: Handling and Storage</b>
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**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.

**Incompatible Products:** Bases, Halides, Oxidizing agents, Strong reducing agents, Combustible materials.

<b>Section 8: Exposure Control/Personal Protection</b>
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Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium bicarbonate 144-55-8			
Sodium persulfate 7775-27-1			

**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.

<b>Section 9: Physical and Chemical Properties</b>
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<p><b>Appearance:</b> White Granular</p> <p><b>Vapor Pressure:</b> Not Available</p> <p><b>Vapor Density:</b> Not Available</p> <p><b>Relative Density:</b> 2.59 g/cm<sup>3</sup></p> <p><b>Freezing point:</b> Not Available</p>	<p><b>Odor:</b> Odorless</p> <p><b>Odor threshold:</b> Not Available</p> <p><b>pH:</b> 6.0 (1% Solution)</p> <p><b>Melting point:</b> 180° C (Decomposes)</p> <p><b>Water Solubility:</b> 42% @ 25° C</p>
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<b>Boiling range:</b> Not Available <b>Evaporation rate:</b> Not Available <b>Explosive Limits:</b> Not Available <b>Autoignition temperature:</b> Not Available <b>Viscosity:</b> Not Available	<b>Flash point:</b> Not Available <b>Flammability:</b> Not Available <b>Specific Gravity:</b> Not Available <b>Decomposition temperature:</b> 100° C <b>Grams VOC less water:</b> Not Available
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**Section 10: Stability and Reactivity**

**Chemical Stability:**  
 STABLE

**Incompatible Materials**  
 Bases, Halides, Oxidizing agents, Strong reducing agents, Combustible materials.

**Conditions to Avoid**  
 Excess heat.

**Hazardous Decomposition Products**  
 Oxygen which supports combustion; Sulfur Oxides

Use of persulfates in chemical reactions requires appropriate precautions and design considerations for pressure and thermal relief. Decomposing persulfates will evolve large volumes of gas and/or vapor, can accelerate exponentially with heat generation, and create significant and hazardous pressures if mixed with other chemicals.

**Hazardous Polymerization**

Hazardous polymerization will not occur.

**Section 11: Toxicology Information**

**Mixture Toxicity**  
 Oral Toxicity LD50: 1,477mg/kg

**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**

Sodium bicarbonate	96 Hr LC50 Lepomis macrochirus: 8250 - 9000 mg/L 48 Hr EC50 Daphnia magna: 2350 mg/L
Sodium persulfate	96 Hr LC50 Lepomis macrochirus: 771 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 771 mg/L [static] 48 Hr EC50 Daphnia magna: 133 mg/L

**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.

Non-Regulated.

**Section 15: Regulatory Information**

**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.*

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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**Section 16: Other Information**

Date Prepared: 9/29/2021

**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.