

# MSDS Document

## Product SPA STAIN & SCALE PREVENTER

### 1. Chemical Product and Company Identification

**Trade Name of this Product** SPA STAIN & SCALE PREVENTER

**MSDS ID** MSDS2536

**Manufacturer**

Haviland Consumer Products, Inc.  
421 Ann Street N.W.  
Grand Rapids, MI 49504

**Phone Number**

(616) 361-6691

**Emergency Phone**

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

**Revision Date** 00/00/00

Health:	2
Fire:	1
Reactivity:	1
Specific	

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
(1-Hydroxyethylidene)di phosphonic acid	2809-21-4		1 mg/m3	1 mg/m3	

### 3. Hazard Identification

**Emergency Overview**

Avoid inhalation of mists or vapors. Corrosive to eyes, irritating to skin and respiratory system.

**Health Effects**

Eye or skin contact may cause mild to severe irritation. Inhalation may cause irritation or corrosion of mucous membranes and the lungs.

**Carcinogenicity**

None of the components present in this material are listed by IARC or NTP as a carcinogen.

**Reproductive Effects**

None known

### **Routes of Entry**

Inhalation, Ingestion, Skin or Eye Contact

## **4. First Aid Information**

### **Eye Contact**

Flush immediately with plenty of water for at least 15 minutes, get medical attention.

### **Skin Contact**

Wash with soap and water. Remove contaminated clothing. See a physician if irritation occurs.

### **Inhalation**

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

### **Ingestion**

Call a physician immediately. Do not induce vomiting. Dilute by drinking water or milk. Never give anything by mouth to an unconscious person.

## **5. Fire Fighting Measures**

**Flash Point** > 212°F

### **Extinguishing Media**

Water spray, foam, carbon dioxide, dry chemical

### **Special Fire Fighting Procedures**

Fire fighters should use self-contained breathing apparatus and full protective clothing. Use water spray to cool fire exposed containers.

### **Unusual Fire Hazard**

None known.

## **6. Accidental Release Measures**

### **Spill and Leak Procedures**

Block any potential routes to water systems. Recover as much of the pure product as possible into appropriate containers. Use absorbent to collect spill or leak residue. Follow all local, state and federal regulations.

## **7. Handling and Storage**

### **Handling Procedures**

Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

### **Storage Procedures**

Keep containers tightly closed when not in use and protect from damage. Store in a cool, well-ventilated area.

## **8. Exposure Controls and Personal Protection**

### **Engineering Controls**

Provide dilution ventilation to control vapor and/or mist level.

### **Eye Protection**

Wear chemical goggles; face shield (if splashing is possible).

### **Protective Gloves**

Wear chemical resistant gloves, such as rubber, neoprene, or nitrile.

### **Respiratory Protection**

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

### **Other Protective Equipment**

A safety shower and eye bath should be available. Use an impervious body covering and boots.

## **9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid
<b>Specific Gravity</b>	1.124
<b>Color/Appearance</b>	Clear, colorless to pale yellow liquid
<b>Odor</b>	Mild, vinegar-like odor
<b>pH</b>	< 2 (1% Solution)
<b>Boiling/Cond. Point</b>	> 100°C (> 212°F)
<b>Melting/Freezing Point</b>	No Information Available
<b>Solubility</b>	Complete
<b>Vapor Density</b>	No Information Available
<b>Vapor Pressure</b>	17 mmHg @ 20°C (68°F)

## **10. Stability and Reactivity**

### **Chemical Stability**

Stable

### **Conditions to Avoid**

None known

### **Incompatible Materials**

This product may react with strong alkalis and strong oxidizing agents.

### **Hazardous Decomposition Products**

Oxides of phosphorus and carbon, acids of phosphorus

### **Hazardous Polymerization**

Will not occur.

## 11. Toxicological Information

### ACUTE EFFECTS:

Oral LD50: 2,000 mg/kg

Dermal LD50: 10,000 mg/kg

## 12. Ecological Information

No information available.

## 13. Disposal Considerations

### Waste Disposal

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

## 14. Transportation Information

### DOT Shipping Name

Corrosive liquid, acidic, organic, n.o.s. ((1-Hydroxyethylidene)diphosphonic acid)

### Hazard Class

8, Corrosive

### UN Number

UN3265

### Packing Group

PG II

NOTE: Corrosive materials in Packing Group II, in inner packagings not over 1.0 L (0.3 gallon) for liquids or 1.0 kg (2.2 pounds) for solids, packed in strong outer packagings, may be renamed "Consumer Commodity" and reclassified as ORM-D material.

## 15. Regulatory Information

### TSCA

Hazardous Component(s) subject to reporting on the TSCA List.

## 16. Other Information

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

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