

MSDS Document

Product SPA OXIDIZING SHOCK

1. Chemical Product and Company Identification

Product SPA OXIDIZING SHOCK

MSDS ID MSDS2528

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 10/20/2009

Health:	3
Fire:	0
Reactivity:	1
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Potassium Peroxymonosulfate	10058-23-8		Not Established	15 mg/m ³ total dust	
Magnesium Carbonate	546-93-0		Not Established	15 mg/m ³ total dust	
Potassium Peroxydisulfate	7727-21-1		0.1 mg/m ³	Not Established	
Potassium Bisulfate	7646-93-7		Not Established	Not Established	
Potassium Sulfate	7778-80-5		Not Established	Not Established	

3. Hazard Identification

Emergency Overview

Material is corrosive to skin and eyes, and a nose and throat irritant. May cause allergic skin reactions in sensitive individuals. Ingestion may cause inflammation and damage to the lining of the stomach, resulting in bleeding.

Health Effects

Skin contact with moisture or perspiration may cause skin burns or ulceration; temporary body hair loss may occur in contacted areas. Eye contact may cause eye corrosion or ulceration. Inhalation may cause nose bleeds and irritation of the upper respiratory passages with coughing and discomfort. Ingestion may cause gastritis possibly progressing to necrosis or hemorrhage.

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**Inhalation**

Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin Contact

Flush with plenty of water for at least 15 minutes while removing contaminated clothing. Get medical attention.

Eye Contact

Flush immediately with plenty of water for at least 15 minutes, 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 N/A

Extinguishing Media

Use water only. Do not use dry chemicals, carbon dioxide, or foam.

Special Fire Fighting Procedures

Will release oxygen when heated, intensifying a fire. Acidic mist may be present; self contained breathing apparatus should be used.

Unusual Fire Hazard

Grinding or intensive mixing may cause decomposition with liberation of heat and oxygen; ignition of oxidizable material if present may occur.

6. Accidental Release Measures**Spill and Leak Procedures**

Use appropriate personal protective equipment during clean-up. Sweep up solid. Flush

liquid spills with low pressure water.

7. Handling and Storage

Handling Procedures

Do not inhale. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Wash clothing after use.

Storage Procedures

Store indoors in a cool dry area. Keep containers closed when not in use. Ensure thorough ventilation of work areas. Avoid all sources of ignition - heat, sparks, and open flame.

8. Exposure Controls and Personal Protection

Engineering Controls

Provide ventilation sufficient to maintain exposure below the recommended limits.

Eye Protection

Safety glasses or goggles required.

Protective Gloves

Rubber or other impervious materials.

Respiratory Protection

Use NIOSH approved respiratory equipment when airborne concentrations are equal to or may exceed exposure limits. For conditions where exposure levels are not known or may be uncontrolled, use a positive pressure air-supplied or self-contained breathing apparatus (SCBA).

Other Protective Equipment

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

9. Physical and Chemical Properties

Physical State	Solid
Specific Gravity	1.3
Color/Appearance	White granules or powder
Odor	Odorless
pH	2.3 (1% solution)
Boiling/Cond. Point	Decomposes
Melting/Freezing Point	Decomposes
Solubility	25.6% @ 20°C (68°F)
Vapor Density	Not volatile
Vapor Pressure	Nil

10. Stability and Reactivity

Chemical Stability

Stable

Conditions to Avoid

Excessive heat.

Incompatible Materials

Mixing with compounds containing halides or active halogens (bromine, chlorine, iodine) can cause the release of the respective halogen gas, if moisture is present. Mixing with dry or concentrated chlorine-containing chemicals, such as hypochlorites, dichlor, trichlor, or salt, may cause the release of chlorine gas. Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts can cause decomposition with release of oxygen and heat.

Hazardous Decomposition Products

Decomposes when heated or dampened, releasing oxygen and heat of decomposition.

Hazardous Polymerization

Will not occur.

11. Toxicological Information

Inhalation 4 hour LC50: > 5 mg/L in rats

Skin Absorption LD50: > 11,000 mg/kg in rabbits

Oral LD50: 200 - 2000 mg/kg in rats

12. Ecological Information

AQUATIC TOXICITY

96 hour LC50 - Rainbow trout: 53 mg/L

48 hour EC50 - Daphnia magna: 3.5 mg/L

13. Disposal Considerations

Waste Disposal

Comply with federal, state and local regulations. Solutions greater than 3% by weight have a pH < 2.0, and may be a RCRA hazardous waste. If approved, flush to sewer or waste treatment plant. Large quantities should be neutralized with soda ash.

14. Transportation Information

DOT Shipping Name

Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound)

Hazard Class

8, Corrosive

UN Number

UN3260

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. Total package may not exceed 30 kg (66 pounds) gross weight.

15. Regulatory Information

TSCA

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

WHMIS

Hazardous Component(s) subject to WHMIS Ingredient Disclosure.

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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