

MSDS Document

Product SURE SHOCK

1. Chemical Product and Company Identification

Product SURE SHOCK

MSDS ID MSDS2719

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:	3
Fire:	0
Reactivity:	1
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Calcium Hypochlorite	7778-54-3	47.6 %	Not Established	Not Established	
Sodium tetraborate pentahydrate	12179-04-3	29.8 %	1 mg/m3	10 mg/m3 total dust	

3. Hazard Identification

Emergency Overview

Harmful if Inhaled. Causes severe burns to eyes and skin. May be fatal if swallowed.

Health Effects

This product is severely irritating to the eyes and may cause burns and irreversible damage. Contact with the skin or mucous membranes may cause severe irritation, burns, and possible ulceration. This product will cause irritation or burns to the throat, esophagus, and gastrointestinal tract if it is swallowed. Ingestion of large amounts of this product may be fatal.

Inhalation of dusts or mists of this product will cause irritation or burns to the nasal passages and respiratory tract and may cause ulceration of nasal membranes.

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

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

Inhalation

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

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

Product decomposes at approximately 338-356°F (170-180°C) releasing oxygen gas. Container may rupture. Fire-fighters must wear NIOSH approved, pressure demand, self-contained breathing apparatus with full face piece for possible exposure to hazardous gases.

Unusual Fire Hazard

Emits toxic fumes under fire conditions.

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

Wear adequate personal protective equipment. Extinguish or remove all ignition sources. Ventilate area. Do not touch spilled material. Prevent material from entering sewers or confined spaces. Shovel into clean, dry, labeled containers. Flush area with water. Contaminated materials may be dissolved in water, then treated with a reducing agent such as sodium sulphite. Care should be taken while handling contaminated materials, due to fire

risk.

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

Keep product tightly sealed in original containers. Store product in a cool, dry, well-ventilated area. Store away from combustible or flammable products. Keep product packaging clean and free of all contamination.

8. Exposure Controls and Personal Protection

Engineering Controls

Set up ventilation to effectively remove and prevent buildup of any dust generated from the handling of this product.

Eye Protection

Chemical safety goggles

Protective Gloves

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

Respiratory Protection

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

Other Protective Equipment

Wear appropriate clothing to prevent skin exposure. A safety shower and eye bath should be available.

9. Physical and Chemical Properties

Physical State	Solid
Color/Appearance	White powder
Odor	Chlorine-like odor
pH	9.5 (1% solution)
Boiling/Cond. Point	Not Applicable
Melting/Freezing Point	Not Applicable
Solubility	Complete
Vapor Density	Not Applicable
Vapor Pressure	Not Applicable

10. Stability and Reactivity

Chemical Stability

Unstable above 338°F (170°C).

Conditions to Avoid

Contamination. Excessive heat and sources of ignition. Avoid conditions of moisture.

Incompatible Materials

Acids. Reducing agents. Organics. Combustible materials. Petroleum products. Paint products. Wood and paper.

Hazardous Decomposition Products

Oxygen and chlorine gas.

Hazardous Polymerization

Will not occur.

11. Toxicological Information

Calcium hypochlorite:

Acute Oral LD50: 850 mg/kg. (rat) Moderate toxicity.

Sodium tetraborate pentahydrate:

Oral, LD50, Rat: 3,200 to 3,400 mg/kg

12. Ecological Information

Calcium hypochlorite:

0.088 mg/l (Bluegill) 96-hour LC50. Extreme toxicity.

Sodium tetraborate pentahydrate:

24-day LC50 = 88 mg B/L (Rainbow trout)

13. Disposal Considerations**Waste Disposal**

Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

14. Transportation Information**DOT Shipping Name**

Calcium hypochlorite, hydrated mixture

Hazard Class

5.1, Oxidizer

UN Number

UN2880

Packing Group

PG II

NOTE: Oxidizers 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

Reportable Quantity

14 lb.

TSCA

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

16. Other Information

EPA Reg. No. 57787-29

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