

MSDS Document

Product SPA GRANULAR CHLORINE

1. Chemical Product and Company Identification

Trade Name of this Product SPA GRANULAR CHLORINE

MSDS ID MSDS2363

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:	2
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Sodium dichloroisocyanurate	2893-78-9	97 %	Not determined	Not determined	

3. Hazard Identification

Emergency Overview

Severe eye, skin & respiratory irritant. Harmful if swallowed. Harmful in contact with skin.

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 irritation or burns. This product will cause irritation to the throat, esophagus, and gastrointestinal tract if it is swallowed. Inhalation of dusts of this product may cause irritation or burns to the nasal passages and respiratory tract.

Carcinogenicity

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

Routes of Entry

Inhalation, Ingestion, Skin or Eye Contact

Reproductive Effects

None known

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. Wash material off with soap and water. Get medical attention.

Inhalation

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

Ingestion

Provide large quantities of water if victim is conscious and get immediate medical attention. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point N/A

Extinguishing Media

Use water. Do not use dry chemical extinguisher containing ammonia compounds.

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

When heated to decomposition, may release poisonous and corrosive fumes of nitrogen trichloride, chlorine, and carbon monoxide.

6. Accidental Release Measures

Spill and Leak Procedures

If spill material is still dry, do not put water directly on this product as a gas evolution may occur. Do not contaminate spill material with any organic materials, ammonia, ammonium salts, or urea. Clean up all spill material with clean, dry dedicated equipment and place in a clean dry container.

7. Handling and Storage

Handling Procedures

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

Storage Procedures

Keep container closed when not in use. Store in a cool, dry place. Store away from incompatible materials.

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

Flowing water source should be available. Prevent contact with skin & clothing by using protective garments.

9. Physical and Chemical Properties

Physical State	Solid
Specific Gravity	0.96
Color/Appearance	White granules
Odor	None to mild chlorine like
pH	6-6.4 @ 25°C (1% solution)
Boiling/Cond. Point	Not Applicable
Melting/Freezing Point	230-250°C (446-482°F)
Solubility	25 g/100ml @ 30°C
Vapor Density	Not Applicable
Vapor Pressure	Not Applicable

10. Stability and Reactivity

Chemical Stability

Stable under normal conditions

Conditions to Avoid

Excessive heat.

Incompatible Materials

Organic materials, reducing agents, nitrogen containing materials, other oxidizers, acids, bases, oils, grease, sawdust, dry fire extinguishers containing mono ammonium compounds.

Hazardous Decomposition Products

Nitrogen trichloride, chlorine, carbon monoxide

Hazardous Polymerization

Will not occur.

11. Toxicological Information

ACUTE TOXICITY: Rat oral LD50 - 735 mg/kg

12. Ecological Information

AQUATIC TOXICITY: 96 Hour-LC50, Fish - 0.22 mg/l (Rainbow trout)

13. Disposal Considerations

Waste Disposal

Observe all federal, state, and local regulations. The responsibility for proper waste disposal is with the owner of the waste.

14. Transportation Information

DOT Shipping Name

Dichloroisocyanuric acid, dry

UN Number

UN2465

Hazard Class

5.1, Oxidizer

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.

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

EPA Reg. No. 57787-6

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