

# MSDS Document

## Product CHLORINATING DICHLORO GRANULES 62%

### 1. Chemical Product and Company Identification

Trade Name of this Product CHLORINATING DICHLORO GRANULES 62%

MSDS ID MSDS2370

**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**

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

EPA Reg. No. 57787-6

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