

# MSDS Document

## Product CALCIUM HARDNESS INCREASER

### 1. Chemical Product and Company Identification

Trade Name of this Product **CALCIUM HARDNESS INCREASER**

MSDS ID **MSDS2530**

**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:	1
Fire:	0
Reactivity:	0
Specific	

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Calcium chloride (CaCl <sub>2</sub> )	10043-52-4		Not Established	Not Established	
Potassium chloride (KCl)	7447-40-7		Not Established	Not Established	
Sodium chloride (NaCl)	7647-14-5		Not Established	Not Established	

### 3. Hazard Identification

**Emergency Overview**

Harmful if swallowed. May cause skin and eye irritation.

**Health Effects**

This product may cause irritation to the eyes and skin. Contact with wet skin may result in a rash. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea. This product may cause slight irritation to the respiratory system if inhaled.

**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 water for at least 15 minutes while removing contaminated clothing. If irritation persists, get medical attention.

**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** N/A

**Extinguishing Media**

Use media suitable for the surrounding fires.

**Special Fire Fighting Procedures**

Fire fighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus.

**Unusual Fire Hazard**

None known.

**6. Accidental Release Measures**

**Spill and Leak Procedures**

Wear appropriate protective equipment and clothing during clean up. Sweep spill and transfer material into appropriate container(s) for disposal.

**7. Handling and Storage**

**Handling Procedures**

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

during diluting or dissolving is very high. Use cool water when diluting or dissolving (temperature less than 80°F, 27°C)

#### **Storage Procedures**

Keep container closed. Store in a dry place. Protect from atmospheric moisture.

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

#### **Engineering Controls**

Use in well ventilated areas.

#### **Eye Protection**

Safety glasses or goggles required.

#### **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>Color/Appearance</b>	White flakes
<b>Odor</b>	Odorless
<b>pH</b>	Not Applicable
<b>Boiling/Cond. Point</b>	Not Applicable
<b>Melting/Freezing Point</b>	174°C (345°F)
<b>Solubility</b>	Readily soluble
<b>Vapor Density</b>	Not Applicable
<b>Vapor Pressure</b>	1.0 mmHg @ 25°C

## **10. Stability and Reactivity**

#### **Chemical Stability**

Stable

#### **Conditions to Avoid**

Avoid conditions of moisture.

#### **Incompatible Materials**

Heat is generated when mixed with water. Spattering and boiling can occur. Avoid contact with sulfuric acid. Corrosive when wet. Flammable hydrogen may be generated from contact with metals such as zinc. Sodium.

#### **Hazardous Decomposition Products**

Does not decompose.

**Hazardous Polymerization**

Will not occur.

**11. Toxicological Information**

Oral, LD50, Rat 900 - 2,100 mg/kg

**12. Ecological Information**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 > 100 mg/L in the most sensitive species tested).

**13. Disposal Considerations**

**Waste Disposal**

Dispose of spilled or waste material, contaminated soil and other contaminated material in licensed landfill or treatment facility in accordance with all federal, state, and local regulations.

**14. Transportation Information**

**DOT Shipping Name**

Not Regulated

**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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