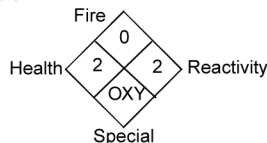


# Material Safety Data Sheet - Used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

## Hazard Code:



- 0 Insignificant
- 1 Slight
- 2 Moderate
- 3 High
- 4 Extreme

**Incompatibility:** With acids, organics, oils, nitrogen containing compounds, hydrocarbons

**Hazardous decomposition or by-products:** Chlorine gas

**Hazardous polymerization:** May occur

**Conditions to avoid:** Acids, organics, nitrogen containing compounds

**Identity:** Calcium Hypochlorite

## Section 1

**Manufacturer's name/address:** B&B Chlorination  
112 Main St. Box 246  
Albert City, IA. 50510

## Telephone number for information:

**B&B Chlorination** Tel: 712-843-5883  
Fax: 712-843-2271

## Emergency telephone number:

800-451-8346

**Date prepared:** 02/03/06

## Section 2 - Hazardous Ingredients/Identity Information

**Product name:** Calcium hypochlorite

**Common Names:** Chlorination pellets -well sanitizer  
-Mark I -Mark V

**Chemical Family:** Hypochlorite

**Active Ingredients:** Calcium hypochlorite—72%  
Molecular Weight 143, Cas, #7778-54-3, Un 1479  
Guide #45, EPA Reg. #50510-1

**Formula:** Inorganic Ca(OCl)<sub>2</sub>

**Inactive Ingredients:** 28%

Sodium Chloride 8%	Calcium Chloride 1%
Water 12%	Calcium Hydroxide 0-4%
Calcium Chlorate <1%	Calcium Carbonate 0-4%

## Section 3 - Physical/Chemical Characteristics

**Boiling Point:** N/A

**Specific Gravity:** N/A

**Vapor Pressure (mm Hg):** 25° C NA

**Melting Point:** N/A

**Solubility in water:** @25° C % by Wt 18  
pH @ 25° C 10.5—11.5 (1% Soln.)

**Appearance and odor:** White to slightly yellow, solid, granular pellet with chlorine odor.

## Section 4 - Fire and Explosion Hazard Data

**Flash point:** N/A

**Flammable:** No

**Extinguishing media:** Small fires —water only; no dry chemical; CO<sub>2</sub> or Halon.

**Special fire fighting procedures:** Large fires—flood fire area with water.

**Unusual fire and explosion hazards:** Massive fires—use unmanned hose holder or monitor nozzles. If possible, withdraw from area and let it burn.

## Section 5 - Reactivity Data

**Stability:** Stable

**Conditions to avoid:** Temperatures above 177° C (350° F); Also, temperatures > 125° F and high humidity.

## Section 6 - Health Hazard Data

**Route(s) of entry:** Inhalation; Skin; Ingestion

**Health hazards (acute and chronic):** Immediate and acute  
Eyes: May cause impairment of vision and corneal damage.  
Skin: Can cause burns, swelling and scab formation.  
Inhalation: Can result in permanent lung damage.  
Ingestion: Will burn entire gastrointestinal tract, including stomach and may cause bleeding and ulceration.

**Carcinogenicity:** Not known to be by NTP, IARC or OSHA

**Signs and symptoms of exposure:** Irritation and/or burning of eyes. Severe irritation and redness of skin. Ingestion will cause nausea, vomiting and diarrhea. Inhalation causes irritation of nose, mouth, throat and lungs.

**Medical conditions generally aggravated by exposure:** Asthma respiratory and cardiovascular disease.

**Emergency and first aid procedures:** Move victim to fresh air.

Not breathing: Give artificial respiration

Difficult breathing: Give oxygen.

**For skin and eyes:** Flush with running water for at least 15 minutes.

## Section 7 - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:**

Keep unnecessary people away; isolate hazard area and deny entry; stay up-wind; keep out of low areas; wear NIOSH/MSHA approved dust and chlorine respirator.

**Water disposal method:** Dispose of unused product in a manner approved for this material. Refer to label on container for instructions. Consult appropriate federal, state and local regulatory agencies.

**Precautions to be taken in handling and storing:** Keep cool, dry, undercover and storage area should be well ventilated.

**Other precautions:** Label all containers, prevent spills and keep containers sealed.

## Section 8 - Control Measures

**Respiratory protection:** Wear NIOSH/MSHA approved chlorine cartridge with dust/mite prefilter.

**Ventilation:** Local exhaust; to minimize dust levels and chlorine gas.

**Protective gloves:** Neoprene or PVC

**Eye protection:** Chemical goggles

**Other protective clothing or equipment:** Boots and coveralls. Launder clothing frequently.

**Work/hygienic practices:** Keep floor swept. Wash hands frequently when working with this product.