

# MATERIAL SAFETY DATA SHEET

## SECTION I MATERIAL NAME / IDENTIFIER

CAL PLUS –CALCIUM UP WHMIS: Not regulated

Manufacturer's Name: CAPO INDUSTRIES LTD  
Street Address: 1200 CORPORATE DRIVE  
City: BURLINGTON, ONTARIO  
Postal Code: L7L 5R6

Emergency Telephone: Canutec (613) 996-6666 (Collect)

Chemical Name: Calcium Chloride  
Chemical Family: Chlorides  
Chemical Formula: Ca Cl<sub>2</sub> · 2H<sub>2</sub>O  
Trade Name & Synonyms: Not available  
Molecular Weight: Not applicable  
Material Use: Hardness booster

## SECTION II HAZARDOUS INGREDIENTS

Hazardous Ingredients	Approx Conc %	C.A.S. N.A. U.N. Number	LD 50 Specify Species & Route (Oral, RAT)	LC 50 Specify Species & Route (Inhal, RAT)
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None

## SECTION III PHYSICAL DATA FOR MATERIAL

Physical State: Gas      Liquid      Solid      X

Odour & Appearance: Opaque, white, granular, odourless

Odour Threshold (Ppm): Not applicable

Specific Gravity: 2.2

Vapour Pressure (Mm): <.005

Vapour Density (Air-1): Not applicable

Evaporation Rate: Not applicable

Boiling Point (C): Above 815

Freezing Point (C): 772 deg C

Solubility In Water (20c): Soluble

% Volatile (By Weight) 0%

Ph: 7.40 (1% solution)

Coefficient Of Water/Oil Distribution: Not applicable

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## SECTION IV - FIRE & EXPLOSION HAZARD OF MATERIAL

**Flammability:** Yes No  **If Yes, Under Which Conditions?:** Not applicable  
**Means Of Extinction:** Use appropriate media to extinguish source of fire.  
**Special Procedures:** Wear self contained breathing apparatus when fire fighting  
**Flashpoint (Celsius) And Method:** Not applicable  
**Autoignition Temperature (Celsius):** Not applicable  
**Lower Explosion Limit (% By Volume):** Not applicable  
**Upper Explosion Limit (% By Volume):** Not applicable  
**Hazardous Combustion Products:** Not applicable

### EXPLOSION DATA

**Sensitivity To Mechanical Impact:** None **Sensitivity To Static Discharge:** None

## SECTION V REACTIVITY DATA

**Chemical Stability:** Yes  No  
**If No, Under Which Conditions?:** Not applicable  
**Incompatibility To Other Substances:** Yes  No  
**If So, Which Ones:** Lewis or mineral acids, sodium, methyl vinyl, ether and zinc as in Galvanized iron. Hydrogen gas may be produced on prolonged contact with metals such as aluminum ,lead, tin and zinc.  
**Reactivity And Under What Conditions:** Avoid excessive amounts of heat  
**Hazardous Decomposition Products:** Thermal decomposition products are toxic and may include hydrochloric acid and oxides of calcium and chlorine oxide.

## SECTION VI TOXICOLOGICAL PROPERTIES OF MATERIAL

### Route Of Entry:

: Skin Contact  :Skin Absorption : Eye Contact   
: Inhalation Acute  :Inhalation Chronic : Ingestion

### EFFECTS OF ACUTE EXPOSURE TO MATERIAL

**Skin:** Prolonged and repeated skin contact may cause irritation  
**Eye:** Severe irritation, May cause corneal damage and conjunctivitis  
**Inhalation:** Irritant of mucous membranes and may cause coughing and sneezing  
**Ingestion:** Causes gastrointestinal upset and abdominal pain, possibly nausea  
**Effects Of Chronic Exposure To Material:** None known  
**Other Health Effects:** None known  
**Ld 50 Of Material (Specify Species And Routes):** See section 11  
**Lc 50 Of Material (Specify Species And Routes):** See section 11  
**Exposure (Limits):** ACGIH 10mg/m3 particulate not otherwise classified

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**Irritancy Of Material:** Skin, eye and nose irritant  
**Sensitization Of Material:** None known  
**Synergistic Materials:** None known  
**Carcinogenicity, Mutagenicity, Reproductive Effects, Teratogenicity:** None known

## SECTION VII PREVENTATIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

**Gloves (Specify):** Latex or rubber gloves if prolonged skin contact is likely  
**Eye (Specify):** Safety glasses if eye contact is likely  
**Respiratory (Specify):** Wear appropriate dust mask if prolonged use in non-ventilated area is unavoidable  
**Other (Specify):** Safety showers and eye bath located close to chemical exposure area.  
**Engineering Controls (e.g. Ventilation, Enclosed Process – Specify):** Local ventilation if dusting conditions are encountered.  
**Leak And Spill Procedure:** Sweep up and dispose material in an approved incinerator or waste treatment disposal facility  
**Waste Disposal:** Dispose material in accordance with Federal, Provincial and local government regulations . Do not dispose of wastes in local sewer or with normal refuse.  
**Handling Procedures And Equipment:** Avoid handling when skin is moist, wet or abraded.  
**Storage Requirements:** Store in cool, dry area  
**Special Shipping Information:** **Transportation:** Not regulated  
**Class:**  
**Pkg. Group:**  
**P.I.N./Un:**

## SECTION VIII FIRST AID MEASURES

**Skin:** Flush skin with running water for 20 minutes. If irritation persists, repeat flushing. Contact a physician if irritation or a burning sensation develops  
**Eye:** Immediately flush eyes with plenty of water for 20 minutes. If irritation persists, repeat flushing. Contact a physician immediately  
**Inhalation:** Remove person to fresh air. Contact a physician immediately  
**Ingestion:** Drink ½ to 1 glass of water to dilute. Immediately contact a physician or poison control centre. Vomiting Should only be induced under the direction of a physician or poison control centre. If spontaneous Vomiting occurs have victim lean forward with head down to avoid breathing in of vomitus. Transport Victim to an emergency facility.

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## SECTION IX

## PREPARATION DATE OF M.S.D.S.

Prepared By (Group, Department, Etc.): Plant Chemist Telephone: (905) 332-6626

Preparation Date: January 1, 1996  
Date Of Latest Revision/Review: September 2, 2008

### Additional Notes Or References:

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