



**Calcium Chloride pellets**  
MATERIAL SAFETY DATA SHEET

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**SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

**Cimco Refrigeration**  
65 Villiers Street  
Toronto, ON, M5A 3S1  
24 Hr.Tel. #: 416-465-7581

**PRODUCT: Calcium Chloride pellets**

Effective Date: Mar. 11, 2016  
Product Use: Ice melting

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Calcium chloride	CAS # 10043-52-4	90-92%
Sodium chloride	CAS # 7647-14-5	1.5%
Potassium chloride	CAS # 7447-40-7	2.5%
Water	CAS # 7732-18-5	4-6%

**SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** White to off-white solid flakes. Odourless. Causes eye irritation. Dusts may cause severe irritation with corneal injury. Prolonged exposure may cause skin irritation. Swallowing larger amount may cause injury. Ingestion may cause gastrointestinal irritation or ulceration.

**SECTION 4: FIRST AID**

**EYES:** Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

**SKIN:** Wash off in flowing water or shower.

**INGESTION:** If swallowed, give one cup (240 ml) of water or milk if available and seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

INHALATION: Remove to fresh air if effects occur. Consult a physician.

NOTE TO PHYSICIAN: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

## **SECTION 5: FIRE FIGHTING MEASURES**

FIRE AND EXPLOSION HAZARD: Negligible fire hazard when exposed to heat or flame.

EXTINGUISHING MEDIA: Dry chemical carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog or regular foam.

FIREFIGHTING: Move container from fire area if you can do it without risk. Apply cooling water to sides of container that are exposed to flames until well after fire is out. Extinguish fire using agent suitable for type of surrounding fire. Do not use water directly on material. Avoid breathing corrosive vapors; keep upwind.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition products may include toxic and corrosive fumes.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

For Small Spills: Contain spill if possible. Collect material in suitable and properly labeled containers. Flush residue with plenty of water. Avoid contact with eyes and skin. May be a slipping hazard.

For Large Spills: Stop leak if it can be done safely. Avoid contamination of water. Dike and transfer to suitable and properly labeled containers. Flush residue with plenty of water.

## **SECTION 7: HANDLING AND STORAGE**

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

Keep containers tightly closed when not in use. Store in a dry place. Protect from atmosphere moisture.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION: Provide local exhaust ventilation to control levels below the exposure guidelines.

EYE/FACE PROTECTION: Use safety glasses with splash shields or safety goggles to prevent contact with this substance.

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**SKIN PROTECTION:** Use appropriate protective (impervious) clothing. Selection of specific items such as face shield, gloves, boots, apron or full body suit will depend upon operation. If skin comes in contact with contaminated clothing, remove the clothing immediately, wash skin area with soap and water and launder clothing before reuse. If hands are cut or scratched, use gloves impervious to this material even for brief exposures. If no cut and brief contact, no precautions other than clean body-covering clothing.

**RESPIRATORY PROTECTION:** Use an approved dust/air purifying respirator. Maintain exposure guideline as below.  $10\text{mg}/\text{m}^3$ . Safety shower eye wash station should be provided in work area for emergency use.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**DESCRIPTION:** White solid pellets

**ODOUR:** Odourless

**SPECIFIC GRAVITY(water=1):** Not available

**MELTING POINT:** Approx.  $772^\circ\text{C}$

**BOILING POINT:** Not applicable

**VAPOUR PRESSURE:** Negligible at ambient temperature

**SOLUTION IN WATER:** very soluble

**ODOUR:** none

**BULK DENSITY:** 58-66 lb/ft<sup>3</sup> estimated

### **SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** stable

**REACTIVITY:** reacts exothermally with water.

**CONDITIONS TO AVOID:** Not known.

**INCOMPATIBILITY:** Flammable hydrogen may be generated from contact with metals such as zinc or sodium. Avoid contact with sulfuric acid.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition products may include toxic and corrosive fumes.

**HAZARDOUS POLYMERIZATION:** Hazardous Polymerization has not been reported to occur under normal temperatures and pressures.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

**SKIN:** LD 50 for skin absorption in rabbits is  $>5000\text{ mg}/\text{kg}$

**INGESTION:** The oral LD 50 for rats is  $900\text{-}2100\text{ mg}/\text{kg}$

### **SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICOLOGY:** Material is practically non-toxic to aquatic organisms on an acute basis (LC 50 greater than  $100\text{ mg}/\text{L}$  in most sensitive species)

**DEGRADABILITY:** Not applicable

PARTITIONING: Partitioning from water to n-octanol is not applicable.

**SECTION 13: DISPOSAL INFORMATION**

Observe all federal, provincial, and local regulations when disposing of this substance.

**SECTION 14: TRANSPORT INFORMATION**

Non-regulated by DOT and TDG when shipped domestically by land (in US and Canada).

**SECTION 15: REGULATORY INFORMATION**

TSCA Status:	Yes
DSL Status:	Yes
EINECS Status:	Yes
CERCLA Section 103:	No
SARA Section 302:	No
SARA Section 304:	No
SARA Section 313:	No
OSHA Process safety:	No
California Proposition 65:	
SARA HAZARD CATEGORIES	
SARA SECTIONS 311/311	
ACUTE HAZARDS:	Yes
CHRONIC HAZARD:	No
FIRE HAZARD:	No
REACTIVITY HAZARD:	Yes
SUDDEN RELEASE HAZARD:	No
TDG	Non-regulated
WHMIS	D2B Eye or Skin Irritant

**SECTION 16: OTHER INFORMATION**

For more information Tel: 416-465-7581

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes. Such information is to be best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themselves as to the

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suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

Cimco reserves the right to refuse shipment of this material to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, packaging, and other handling systems that come in contact with it.

Customers are responsible for compliance with local, provincial, and federal regulations that may be pertinent in the storage, application, and disposal of this product.