

SECTION 1: PRODUCT INFORMATION

T.D.G. Classification	Not regulated
Product Identification Number	Not available
CAS #	See "Hazardous Ingredients"
Packing Group	Not available
Product Name	Calcium Chloride Pellets
WHIMIS Classification	Class D, Div.2, Sub. B
Chemical Formula	CaCl ₂ 2H ₂ O
Chemical Family	Calcium Chloride
Product Use	Ice melting
Available Packaging	50 lb bag, 40lb pail, bulk
Supplier	Kissner Group:
.....	32 Cherry Blossom Rd Cambridge, Ontario N3H 4R7
.....	(519) 279-4860
.....	www.kissner.com

SECTION 2: HAZARDOUS INGREDIENTS

<u>Hazardous Ingredients</u>	<u>ACGIH/TVL</u>
Calcium Chloride	CAS# 10043-52-4

SECTION 3: PHYSICAL DATA

Physical State	Solid, pellets
Appearance & Odour	White pellets, no odour.
Odour Threshold	Not applicable
Specific Gravity (Water=1)	2.2
Vapour Pressure (MMHG)	(mm Hg) 0.009 @ 20 Deg C
Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not applicable
Boiling Point	338 F 198 C
Freezing Point	Not available
pH	Not available
Coefficient of Water/Oil Distribution	Not applicable

SECTION 4: FIRE AND EXPLOSION DATA

Hazardous Conditions	See "Conditions of Reactivity". Section five.
Fire Extinguishing Procedures	Not applicable
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto-ignition Temperature	Not applicable
Hazardous Combustion Products	None
Sensitivity to mechanical impact	No

SECTION 5: REACTIVITY DATA

Sensitivity to Static Discharge	No
Chemical Stability	Decomposes at 350 F
Hazardous Polymerization	Not available
Conditions of Reactivity	Calcium chloride will: Corrode most metals exposed to air; attack aluminium (and its alloys) and yellow brass; react with sulphuric acid to form hydrogen chloride which is corrosive, irritating and reactive; give an exothermic reaction with water-reactive materials such as sodium; result in a runaway polymerisation reaction with methyl vinyl ether (Bretherick 1979); and, in a solution form react with zinc (galvanizing) to yield hydrogen gas which is explosive.
Hazardous Decomposition	None

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of entry into the body	EYES, SKIN, INGESTION, INHALATION
Effects of acute exposure to product	EYES: May cause moderate to severe eye irritation with corneal injury, which may be slow to heal, when dissolving. The heat produced may cause more intense effects as well as thermal burns. SKIN: Not likely to cause significant skin irritation. INHALATION: Dust can be irritating. INGESTION: Single dose oral toxicity is low. Ingestion may cause gastrointestinal irritation or ulceration.
Effects of chronic exposure to product	SKIN: may cause skin irritation, even burn. May cause more severe response if skin is damp and/or abraded, or if material is confined to skin. When dissolving, the heat produced may cause more intense effects as well as thermal burns. EYES, INHALATION and INGESTION: see "Acute Effects" above.
Exposure limits	Not applicable
Irritancy of product	See above
Sensitization of product	In susceptible individuals.
Carcinogenicity of product	Not indicated
Reproductive toxicity	Not available
Teratogenicity	Not available
Mutagenicity	Not available
Synergistic effects	Not available
LD/50	900-2100 mg/kg oral, rat
LC/50	Not indicated

SECTION 7: PREVENTIVE MEASURES

Personal Protective Equipment required	RESPIRATORY: Where exposure to dusts from this product may exceed the applicable exposure limits a NSHA-NIOSH approved respirator for the dust should be used. EYE PROTECTION: For dusty conditions, wear chemical safety goggles and hat. Under these conditions do not wear contact lenses, keep goggles clean. GLOVES: As a minimum, wear long sleeve shirt and trousers, boots and gloves for routine product use. Remove promptly any contaminated clothing. Wear safety boots.
Specific Engineering controls required	Local exhaust ventilation.
Spill/Leak Procedures	Losses incidental to correct application of this product in its intended use are not expected to be harmful to the environment. Wear appropriate safety apparel during clean up> avoid entry of large amounts of product into sewers, natural waters, and drinking water sources. Due to possible harmful effects, avoid contact with vegetation, animals, and fish life. Recover quickly into suitable, dry sealable containers if reusing. Small quantities may be flushed away with plenty of water. Walking surfaces may remain wet longer due to moisture being held by silled product; avoid by thoroughly water washing surfaces.
Waste Disposal	Dispose of waste in accordance with provincial, local, and federal regulations.
Handling, Storage & Shipping Needs	Avoid skin and eye contact. Avoid breathing dust. Remove contaminated clothing before reuse. Maintain a good personal hygiene.
Special shipping information	Not applicable

SECTION 8: FIRST AID MEASURES

EYE CONTACT:	Flush with copious amounts of water for 15 minutes. If irritation persists consult a physician
SKIN CONTACT	Remove contaminated clothing. Wash affected area with water and soap. Seek medical attention if irritation occurs or persists.
INGESTION	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by a medical professional.
INHALATION	Remove to fresh air.

SECTION 9: PREPARATION INFORMATION

Prepared byJ. Browes
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DateDecember 2010

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