

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 Ice Melt Pellets
 WHIMIS Classification Class D, Div.2, Sub. B
 Chemical Formula CaCl₂ 2H₂O
 Chemical Family Calcium Chloride
 Product Use Ice melting
 Available Packaging 50 lb bag
 Supplier Kissner Group 32 Cherry Blossom Rd Cambridge, Ontario N3H 4R7
 (519) 650-9998

SECTION 2: HAZARDOUS INGREDIENTS

| <u>Hazardous Ingredients</u> | <u>Percentage</u> | <u>ACGIH/TVL</u> |
|------------------------------|-------------------|------------------|
| Sodium Chloride | 1-2 | CAS# 7647-14-5 |
| Potassium Chloride..... | 2-3 | CAS# 7447-40-7 |
| Strontium Chloride | 1 | CAS# 10476-85-4 |
| Calcium Chloride..... | 99 | 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

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| 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

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| 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

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| 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

Emergency Phone No (613) 996-6666 (Canutec)
Date January 2005

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