



ICE MELT - PELADOW

PRODUCT IDENTIFICATION

CHEMICAL NAME: Calcium Chloride.
SYNONYM(S): Peladow, Premier Snow & Ice Melter,
CHEMICAL FAMILY: Inorganic salt.
MOLECULAR FORMULA: CaCl₂
SHIPPING NAME: Calcium Chloride.
PIN - UN NUMBER: Not controlled. WHMIS: D2B
PRODUCT USE:
Ice melt, Industrial uses.
SUPPLIER: Panther Industries Inc.
Box 698
Davidson, Sask. S0G 1A0
EMERGENCY TELEPHONE NUMBER: (306)567-2814

HAZARDOUS INGREDIENTS

INGREDIENTS:	WEIGHT %	C.A.S. REGISTRY NUMBER:
Calcium Chloride	90 - 97	10043-52-4
Sodium Chloride	1 - 2	07647-14-5
Potassium Chloride	2 - 3	07447-40-7
Strontium Chloride	1	10476-85-4
Water		007732-18-5

PHYSICAL DATA

PHYSICAL STATE: Solid.
ODOUR AND APPEARANCE: Odourless white to off white pellets.
ODOUR THRESHOLD: Not applicable.
VAPOUR PRESSURE: <0.005 mm Hg, at 20 OC.
VAPOUR DENSITY: Not applicable. EVAPORATION RATE: Not applicable.
pH: N/A BOILING POINT: > 1500F ; 815o C.
SOLUBILITY IN WATER: Very soluble.
SPECIFIC GRAVITY: 2.2

FIRE AND EXPLOSION HAZARDS

CONDITIONS OF FLAMMABILITY: Not applicable.
MEANS OF EXTINGUISHING: This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.
FLASH POINT: Not applicable.
UPPER FLAMMABLE LIMIT: Not applicable.
LOWER FLAMMABLE LIMIT: Not applicable.
SPECIAL FIRE FIGHTING PROCEDURES:
Keep people away. Isolate fire area and deny unnecessary entry. Wear positive-pressure self-contained breathing apparatus (SCBA) and full protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves).
EXPLOSION HAZARDS:
Not applicable.



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REACTIVITY DATA

STABILITY: Very stable, Hygroscopic. **HAZARDOUS POLYMERIZATION:** Will not occur
INCOMPATIBILITY: Corrosive to some metals. Corrosive when wet. Flammable hydrogen may be generated from contact with metals such as zinc or sodium. Avoid contact with sulfuric acid. Heat is generated when mixed with water. Splattering or boiling can occur.
HAZARDOUS DECOMPOSITION PRODUCTS:
Does not decompose.
CONDITIONS TO AVOID: None known

HEALTH HAZARD DATA

INHALATION: Dust may cause irritation to upper respiratory tract.
SKIN CONTACT:
Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp or if material is confined to skin. May cause more severe response if skin is abraded (scratched or cut). When dissolving, the heat produced may cause more intense effects as well as thermal burns. Not classified as corrosive according to DOT. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.
EYE CONTACT:
Pellets may cause slight eye irritation. Dusts may cause severe irritation with corneal injury. Effects may be slow to heal. When dissolving, the heat produced may cause more intense effects as well as thermal burns.
INGESTION:
Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Ingestion may cause gastrointestinal irritation or ulceration.
EXPOSURE LIMITS: Nuisance particulate level of 10 mg/m³.
IRRITANCY: Slight. **MUTAGENICITY:** Not available.
CARCINOGENICITY: Not regulated.
SENSITIZATION TO PRODUCT: Not available.
REPRODUCTIVE TOXICITY: Not available.
ANIMAL TOXICITY DATA:
LD50 - 967-1668 mg/kg ingestion, rat.
LD50 - > 5000 mg/kg skin absorption, rabbits

FIRST AID PROCEDURES

INHALATION:
Remove to fresh air. Give artificial respiration if necessary. Seek medical attention if irritation persists.
EYES:
Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.
SKIN CONTACT: Wash off in flowing water or shower.
INGESTION: If swallowed, seek medical attention. Do not induce vomiting unless directed by medical personnel.
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.



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PREVENTATIVE MEASURES

RESPIRATORY PROTECTION:

In dusty atmospheres, use an approved dust respirator. Atmospheric levels should be maintained below the exposure guideline.

EYE AND FACE PROTECTION:

Use safety glasses. For dusty operations or when handling solutions of the material, chemical goggles.

PROTECTIVE CLOTHING:

When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material. Selection of specific items such as faceshield, gloves, boots, apron, or full-body suit will depend on operation. Remove contaminated 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.

SPECIAL HANDLING PROCEDURES:

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

STORAGE REQUIREMENTS: Keep containers tightly closed when not in use. Store in a dry place. Protect from atmospheric moisture.

ENGINEERING CONTROLS: General and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

ENVIRONMENTAL PROTECTION DATA

PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL:

For small spills: Contain spill if possible. Collect material in a suitable and properly labeled container. Flush residue with plenty of water.

For large spills: Dike and transfer to suitable and properly labeled containers. Flush residue with plenty of water. Avoid contamination of drinking water, natural water, ground water or any waterway.

WASTE DISPOSAL:

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All Disposal methods must be in compliance with all Federal, Provincial and local laws and regulations.

PREPARATION INFORMATION

MSDS PREPARED BY: Technical Department

Panther Industries Inc.

Ph. (306) 567-2814

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REFERENCES:

Manufacturer's MSDS.