

MATERIAL SAFETY DATA SHEET

Page 1

PRODUCT: CPD COLD WEATHER ACCELERATOR



SECTION 01: PRODUCT INFORMATION

Manufacturer: CPD Construction Products
219 Connie Crescent # 13
Concord, Ontario L4K 1L4

Product Identification: CPD Cold Weather Accelerator

Application & Use: Set Accelerator for Mortar and Concrete (Non-Reinforced).

Product Description: Solution of Calcium Chloride in Water.

Regulatory Classification: WHMIS - Class D Division 2B

Transportation of Dangerous Goods Information - Not regulated.

EMERGENCY TELEPHONE NUMBERS

CANUTEC: (613) 996-6666

SECTION 02: HAZARDOUS INGREDIENTS

The following component data is defined in accordance with sub-paragraph 13(a) (i) to (iv) or paragraph 14(a) of the Hazardous Products Act.

<u>NAME</u>	<u>(pbw)%</u>	<u>CAS</u>
Calcium Chloride (Anhydrous)	31%+.5%	10043-52-4
LD50 1000 mg/kg.(Oral-Rat)		
LC50 (Not available)		

SECTION 03: PHYSICAL DATA

Physical State - Liquid	Vapour Density (AIR=1) - Not applicable
Specific Gravity - 1.295 @ 20°C	Evaporation Rate (n-Butylacetate=1) - Not applicable
Vapour Pressure (mmHg @ 21°C) -1.1kPa	% Volatiles - 69+.5%
Solubility in Water - Complete	Odour - None
Boiling Point - 116°C	Appearance - Clear Light Green Liquid
Freezing Point - -7°C	PH - Neutral to slightly Alkaline
Viscosity (CPS @ 20°C) - 5 CPS	

SECTION 04: TOXICOLOGICAL PROPERTIES

NATURE OF HAZARD

INHALATION: Mist inhalation may irritate nose, throat, and lungs. May cause nose bleeds.

EYE CONTACT: May irritate or burn eyes. Possible transient corneal damage.

SKIN CONTACT: May cause skin irritation. Under conditions of prolonged contact redness and itching will result. Contact with abraded or broken skin can cause severe Necrosis.



MSDS-31
November 2009

MATERIAL SAFETY DATA SHEET

Page 2

SECTION 04: TOXICOLOGICAL PROPERTIES cont'd

INGESTION: Low in toxicity, but more toxic than sodium chloride. May irritate gastrointestinal tract and cause nausea and vomiting.

CHRONIC: Not applicable

OCCUPATIONAL EXPOSURE LIMIT: TLV-10 mg/M3
(ACGIH Values) (Liquid Mist)

SECTION 05: FIRST AID MEASURES

INHALATION: Promptly remove to fresh air. Restore and/or support breathing. Consult a physician for observation and treatment.

EYE CONTACT: Flush eyes promptly with plenty of running water, continuing at least 15 minutes with eyelids held open. Get medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash with plenty of running water. Get medical attention if irritation persists.

INGESTION: If conscious, immediately give 2 to 4 glasses of water, and induce vomiting by touching finger to back of throat. Get immediate medical attention.

Note: Certain individuals can experience an extreme sensitivity to this product. These individuals may experience rashes on arms, hands etc. that are transient in nature. This product may act as a skin sensitizer for these sensitive individuals.

SECTION 06: PREVENTIVE MEASURES

PERSONAL PROTECTION: Workers using this product on a regular basis should wear hard hats with face shields and full length neoprene or PVC waterproof gloves. Full coveralls should also be worn to minimize the possibility of skin contact. Good personal hygiene practices should be observed when handling this product. Make special note that CPD Cold Weather Mortar Accelerator will ruin leather work boots, gloves etc. Do not wear leather when handling this product. The particular use of this product does not represent a problem from inhalation of mist. However, if there is a possibility of mist being inhaled workmen should wear NIOSH approved mist respirators.

ENGINEERING CONTROLS: None required for this product. However, portable eyewash facilities should be available at the worksite.

HANDLING, STORAGE AND SHIPPING: Keep product in original containers closed when not in use. Do not store in unlined metal containers. Handle containers carefully as this product is heavy. Do not use empty containers for food storage of any type.

SPILL CONTROL AND DISPOSAL: For small spills flush with water. For large spills contain, soak up or pump up product and dispose of in accordance with all Provincial and Federal Government legislation. Do not flush large quantities into storm sewers, water courses or sanitary sewers. This product is harmful to aquatic life at concentrations greater than 500 ppm. This product does not bio-accumulate.

SECTION 07: FIRE AND EXPLOSION DATA

Flash Point and Method: Not flammable (TCC).

Auto ignition temperature: Not applicable.

Flammability Limits: Not applicable.

GENERAL HAZARDS: Not flammable. Water based salt solution. However, product will explode when mixed with Furan 2 - Peroxy - Carboxylic Acid. Can react with zinc to yield hydrogen gas which may explode under confined conditions.

FIRE FIGHTING: This product is not flammable however at high temperatures (above 160°C) fumes of chlorides are given off. Fire fighters should wear NIOSH - approved self-contained breathing apparatus when the fire involves containers of this product.

SECTION 08: REACTIVITY DATA

GENERAL: This product is stable and hazardous decomposition will not occur under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Calcium Chloride liquid reacts violently with Bromine Trifluoride (BRF3) or a mixture of Boron Trioxide and Calcium Oxide. Methyl vinyl ether will start a runaway polymerization reaction. Certain metals will react with the aqueous solution of calcium chloride to generate flammable hydrogen gas.

SECTION 09: PREPARATION

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