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Revised October 8th, 2017

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION

PRODUCT NAME: CPD COLD WEATHER ACCELERATOR

MANUFACTURER/SUPPLIER: CPD Construction Products
219 Connie Crescent, Unit #13
Concord, Ontario Canada L4K 1L4

24 HOUR EMERGENCY NUMBER: CANUTEC: (613) 996-6666

APPLICATION AND USE: Set accelerator for mortar and concrete (non-reinforced).

PRODUCT DESCRIPTION: Solution of Calcium Chloride in water.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Eye irritation (Category 2A); Serious eye irritation (Category 2)



SIGNAL WORD **WARNING**

HAZARD STATEMENTS H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

PREVENTION P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P264 Wash skin thoroughly after handling.

RESPONSE P302+P352 IF ON SKIN: wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
Calcium Chloride (Anhydrous)	31±0.5	10043-52-4	2630 mg/ Kg (Oral-Rat)	Not Available

SECTION 4 : FIRST-AID MEASURES

FIRST-AID MEASURES

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 of irritation persists.

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

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

ADDITIONAL INFORMATION 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.

SYMPTOMS AND EFFECTS

EYE CONTACT Mild irritation and discomfort, may cause excessive lachrymation or serious eye damage.

SKIN CONTACT Irritation may occur. Prolonged or repeated contact may result in dermal sensitization and dermatitis.

INGESTION Stomach/ intestinal disorder.

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SECTION 5: FIRE-FIGHTING MEASURES		
SUITABLE EXTINGUISHING MEDIA	Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide or dry chemical.	
UNSUITABLE EXTINGUISHING MEDIA	No information available.	
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE/ MIXTURE	No information available.	
HAZARDOUS COMBUSTION PRODUCTS	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-FIGHTERS PROTECTIVE EQUIPMENT ...	In a fire wear full protective gear including a self-contained breathing apparatus.	
SPECIAL FIRE-FIGHTING PROCEDURES	None.	
SECTION 6: ACCIDENTAL RELEASE MEASURES		
PERSONAL PRECAUTIONS	Avoid substance contact. Use personal protection gear. Evacuate unnecessary personnel. Observe emergency procedures in place, consult an expert.	
ENVIRONMENTAL PRECAUTIONS	Do not let product enter drains. Do not flush large quantities into storm sewers, water courses or sanitary sewers.	
CLEAN-UP METHODS	For small spills flush with water. For large spills contain, soak up with inert material or pump up product and dispose of in accordance with all Provincial and Federal Government legislation.	
SECTION 7: HANDLING AND STORAGE		
PRECAUTIONS FOR SAFE HANDLING	Keep product in original containers closed when not in use. Avoid eye contact. Handle containers carefully as this product is heavy.	
CONDITIONS FOR SAFE STORAGE	Do not store in unlined metal containers. Do not use empty containers for food storage of any type.	
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION		
OCCUPATIONAL EXPOSURE LIMITS:	ACGIH TLV-TWA	OSHA PEL-TWA
CALCIUM CHLORIDE (ANHYDROUS)	10 mg/m³	5 mg/m³ (respirable)
ENGINEERING CONTROLS:		
OTHER/TYPE	Portable eyewash fountain should be available to the work area vicinity.	
PROTECTIVE EQUIPMENT:		
EYE / TYPE	Workers using this product on a regular basis should wear hats with face shields.	
RESPIRATORY PROTECTION.....	For operations where inhalation exposure can occur, a NIOSH approved mist respirator may be necessary.	
GLOVES/TYPE	Wear suitable full-length neoprene or PVC waterproof gloves.	
CLOTHING/TYPE	Full coveralls should also be worn to minimize the possibility of skin contact. Do not wear leather when handling this product. CPD Cold Weather Accelerator will ruin leather work boots, gloves, etc.	
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES		
PHYSICAL STATE	Liquid	
APPEARANCE.....	Clear Light Green Liquid	
ODOUR	None	
pH LEVEL	Neutral to slightly Alkaline	
VAPOUR PRESSURE (mmHg @ 20°C (68°F))	1.1	
VISCOSITY (cPs @ 20°C (68°F))	5 cPs	
VAPOUR DENSITY (AIR=1).....	Not applicable	
SPECIFIC GRAVITY @ 20°C (68°F)	1.295	
BOILING POINT	116°C (240.8°F)	
FREEZING POINT	-7°C (19.4°F)	
SOLUBILITY IN WATER	Complete	
% VOLATILE	69 ± 0.5	
EVAPORATION RATE (N-BuAc=1)	Not applicable.	

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SECTION 10: STABILITY AND REACTIVITY		
REACTIVITY	Product is stable under normal conditions.	
CHEMICAL STABILITY	The product is chemically stable under standard ambient conditions.	
POSSIBLE HAZARDOUS REACTIONS	Calcium Chloride liquid reacts violently with Bromine Trifluoride (BFR3) 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.	
CONDITIONS TO AVOID	No data available.	
INCOMPATIBLE MATERIALS	No data available.	
HAZARDOUS DECOMPOSITION PRODUCTS:	This product is not flammable, however, at high temperatures (above 160°C / 320°F) fumes of chlorides are given off.	
SECTION 11: TOXICOLOGICAL INFORMATION		
ACUTE ORAL TOXICITY (LD50)	Refer to Section 3.	
CARCINOGENICITY OF MATERIAL	This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.	
TERATOGENICITY	Not available.	
MUTAGENICITY	Mutagenic for mammalian somatic cells, bacteria and/or yeast.	
REPRODUCTIVE EFFECTS	Not available.	
ROUTES OF EXPOSURE:	SYMPTOMS AND EFFECTS:	
EYE CONTACT	Irritating.	
SKIN CONTACT	Frequent or prolonged contact may irritate the skin, low toxicity.	
INHALLATION	Nose and throat mucosal irritation.	
INGESTION	Stomach/ intestinal disorder, nausea.	
SECTION 12: ECOLOGICAL INFORMATION		
ECOTOXICITY	This product is harmful to aquatic life at concentrations over 500 ppm.	
PERSISTENCE AND DEGRADABILITY	No data available.	
BIOACCUMULATIVE POTENTIAL	This product does not bio-accumulate.	
MOBILITY IN THE SOIL	No data available.	
OTHER EFFECTS	No data available.	
SECTION 13: DISPOSAL CONSIDERATIONS		
PRODUCT DISPOSAL	Spilled material and water rinses waste must be disposed of in accordance with current, local, provincial and federal regulations.	
WASTE DISPOSAL	Do not allow product to enter sewers, streams or lakes. Empty containers of this product can be disposed of as normal garbage.	
SECTION 14: TRANSPORTATION INFORMATION		
TDG CLASSIFICATION	Not regulated.	
SECTION 15: REGULATORY INFORMATION		
WHMIS CLASSIFICATION	D2B	
CPR (CANADA) COMPLIANCE	Meets all requirements.	
SECTION 16: OTHER INFORMATION		
ACGIH	American Confederation of Governmental Industrial Hygienists	
IARC.....	International Agency for Research on Cancer	
NTP.....	National Toxicology Program	
STEL	Short Term Exposure Limit	
PEL	Permissible Exposure Limit	
TLV-TWA	Threshold Limit Value - Time-Weighted Average	
OSHA	Occupational Safety and Health Administration	
NIOSH	National Institute for Occupational Safety and Health	
MSHA	Mine Safety and Health Administration	

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CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CPR	Controlled Products Regulations
CAS	Chemical Abstracts Service
PPE	Personal Protection Equipment
N/A	Not available

PREPARED BY:	Camelia Gardo
TELEPHONE NUMBER:	(905) 669-5013
PREPARATION DATE:	October 8 th , 2017

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