

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: CPD FLOOR HARDENER PRE-MIX (PREMIUM)

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: Concrete floor hardener, surface applied to improve wear resistance.

PRODUCT DESCRIPTION: Blend of Hydraulic Cement and Trap Rock.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Skin irritation (Category 2); Serious eye damage (Category 1); Carcinogenicity (Category 1A-Inhalation); Specific target organ systemic toxicity-single exposure (Category 3- Respiratory system); Specific target organ systemic toxicity-repeated exposure (Category 1-Lungs)



SIGNAL WORD **DANGER**

HAZARD STATEMENTS
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.
 H350 May cause cancer by inhalation.
 H372 Causes damage to organs (Lungs) through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

PREVENTION
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breath dust.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ eye protection/face protection.
 P281 Use personal protective equipment as required.

RESPONSE
 P302+P352 IF ON SKIN: wash with plenty of soap and water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 P310 Immediately call a POISON CENTER/ doctor.
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P362 Take off contaminated clothing and wash before reuse.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
Silica Sand ** (Quartz)	0.1-1.0	14808-60-7	>5,000mg/kg (Oral-Rat)	Not Available
Portland Cement (Hydraulic Cement)	10-30	65997-15-1	Not Available	Not Available

**The sand used in this product contains approximately 85% (by weight) Quartz. The Quartz that exists as dust particles, with aerodynamic diameter less than 5 microns, is hazardous. An approved dust mask (for crystalline silica) should be worn by workers handling this product in the dry state.

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SECTION 4 : FIRST-AID MEASURES

FIRST-AID MEASURES

EYE CONTACT	Flush eyes with lukewarm water for at least 15 minutes holding eye lids open. If irritation persists see a physician.
SKIN CONTACT	Wash with soap and water and remove contaminated clothing. Wash clothing separately prior to reuse. If irritation persists, get medical attention.
INHALATION	Remove victim to fresh air. Consult a physician after significant exposure.
INGESTION	If swallowed, DO NOT induce vomiting. Rinse mouth and call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. Obtain medical attention.
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 skin sensitization and dermatitis.
INHALATION	Prolonged inhalation may result in respiratory irritation, coughing. May cause cancer by inhalation.
CHRONIC	May cause damage to organs through prolonged or repeated exposure.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION	Not flammable or combustible.
SENSITIVITY OF STATIC DISCHARGE.....	Not applicable.
SUITABLE EXTINGUISHING MEDIA	This product will not burn. Use the medium appropriate to the surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES.....	Wear self-contained breathing apparatus and protective clothing if necessary Use self-contained breathing apparatus and protective clothing for large fires.
HAZARDOUS COMBUSTION PRODUCTS	None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
CLEAN-UP METHODS	Pick-up and arrange disposal without creating dust. Sweep up and shovel using dust retarding floor sweeping compound. Keep in closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING PROCEDURES	Avoid contact with skin and eyes. Avoid formation of dust and dust inhalation. Provide appropriate exhaust ventilation in places where dust is formed
STORAGE NEEDS	Store in original labelled container, tightly closed and in a dry, well-ventilated place.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS (respirable fraction in air):	
SILICA SAND (QUARTZ)	OSHA & MSHA-PEL 10 mg/m ³ (8 hour TWA) ACGIH-TLV 0.05 mg/m ³ (8 hour TWA) NIOSH 0.05 mg/m ³ (10 hour TWA, 40 h work week)
PORTLAND CEMENT	OSHA- PEL, ACGIH-TLV, NIOSH 5 mg/m ³ (TWA)
PROTECTIVE EQUIPMENT:	
EYE / TYPE	Safety eyewear should be used when a risk assessment indicates as necessary.
RESPIRATORY PROTECTION	Avoid breathing dust. For operations where inhalation exposure can occur, a NIOSH approved respirator may be necessary.
SKIN/ BODY PROTECTION	Wear protective clothes; long sleeves and trousers to prevent dermal exposure.
OTHER / TYPE	Eyewash fountain. Emergency shower should be in close proximity.
VENTILATION REQUIREMENTS	General dilution and local exhaust as necessary to control airborne dusts below appropriate airborne concentration standards/guidelines.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid. (Powder/Aggregate blend)
VAPOUR PRESSURE	Not applicable
VISCOSITY	Not applicable
VAPOUR DENSITY (AIR=1)	Not applicable
SPECIFIC GRAVITY @20°C (68°F)	2.2
BOILING POINT	Not applicable
SOLUBILITY IN WATER	<1.0%
APPEARANCE.....	Dark to Light Grey Powder containing aggregate
ODOUR	None
pH LEVEL	12.5 @ 20°C (68°F) (Aqueous Solution)
% VOLATILE	Not applicable
EVAPORATION RATE (N-BuAc=1)	Not applicable

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY	Product is stable.
POSSIBLE HAZARDOUS REACTIONS	Hazardous polymerization will not occur under normal storage conditions.
CONDITIONS TO AVOID	Do not allow the product to get wet as it will harden. Store in a dry place.
INCOMPATIBLE MATERIALS	No data available.
HAZARDOUS DECOMPOSITION PRODUCTS:	Product is stable, hazardous decomposition will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS LD50/ LC50 DATA	Refer to Section 3.
ROUTES OF EXPOSURE:	
EYE CONTACT	Irritating.
SKIN CONTACT	Frequent or prolonged contact may irritate the skin, low toxicity.
INHALATION (ACUTE)	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Respirable Silica Quartz can cause chronic silicosis.
CARCINOGENICITY OF MATERIAL	May cause cancer by inhalation. The Silica Quartz component is classified as carcinogenic to humans by NTP and IARC-Group 1.
TERATOGENICITY	No data available.
MUTAGENICITY.....	No data available.
REPRODUCTIVE EFFECTS	No data available.
OTHER	The dust product may be harmful if inhaled. Causes respiratory tract irritation. Prolonged exposure can cause silicosis. May be harmful if swallowed. Causes skin and eye irritation.
SIGNS AND SYMPTOMS OF EXPOSURE	Coughing, skin rash, allergic dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY.....	No data available.
PERSISTENCE AND DEGRADABILITY	No data available.
BIOACCUMULATIVE POTENTIAL	No data available.
MOBILITY IN THE SOIL	No data available.
OTHER EFFECTS	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL	Disposal of this product should comply with the requirements of environmental protection and waste disposal legislation in place.
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.
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SDS-12
Revised October 8th, 2017

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SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION	Class E (Corrosive) Class D Division 2 Subdivision A; Class D Division 2 Subdivision B
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
CPR	Controlled Products Regulations
CAS	Chemical Abstracts Service
PPE	Personal Protection Equipment
N/A	Not available

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PREPARATION DATE:	October 8 th , 2017

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