

**SDS-209**  
**Revised October 8<sup>th</sup>, 2017**

**SAFETY DATA SHEET**

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**SECTION 1: IDENTIFICATION**

**PRODUCT NAME: CPD AQUACRETE**

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: ..... Patching of piers, columns, concrete dams and under water concrete retaining walls.

PRODUCT DESCRIPTION: ..... Hydraulic Cement based compound.

**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 breathe 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)	25-30	14808-60-7	>5,000 mg/ Kg (Oral-Rat)	Not Available
Portland Cement (Hydraulic Cement)	60-70	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, <b>DO NOT</b> 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.	
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 <sup>3</sup> (8-hour TWA)
	ACGIH-TLV	0.05 mg/m <sup>3</sup> (8-hour TWA)
	NIOSH	0.05 mg/m <sup>3</sup> (10-hour TWA, 40 h work week)
PORTLAND CEMENT .....	OSHA- PEL, ACGIH-TLV, NIOSH	5 mg/m <sup>3</sup> (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/granular)	
VAPOUR PRESSURE .....	Not applicable	
VISCOSITY .....	Not applicable	
VAPOUR DENSITY (AIR=1) .....	Not applicable	
SPECIFIC GRAVITY @20°C (68°F) .....	2.0	
BOILING POINT .....	Not applicable	
SOLUBILITY IN WATER .....	<1.0%	
APPEARANCE.....	Light Grey Powder containing fine sand	
ODOUR .....	None	
pH LEVEL .....	12.0 @ 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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**SECTION 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION .....	Class E (Portland Cement)
	Class D Division 2 Subdivision A (Silica Quartz)
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/Av .....	Not available

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PREPARATION DATE: .....	October 8 <sup>th</sup> , 2017

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