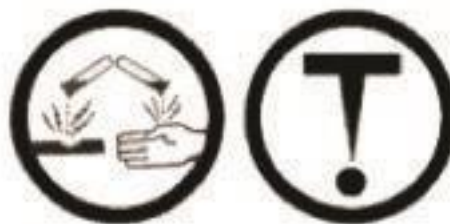


CCI-100 Colour Hardener

Section 1: PRODUCT INFORMATION

Chemical Family:	Cement
Manufacturer:	Concreation Canada Inc. 582 Rivermede Road, Unit 8 Concord, ON L4K 2H5
Manufacturer emergency phone number:	Chemtrec 800-424-9300
Information phone number:	905-482-3837
Supplier:	Same as manufacturer
TDG Classification:	CORROSIVE SOLID, N.O.S. (portland cement) UN1759 Class 8 PG III
WHMIS Classification:	E,D2A
DSL Status:	Appears on DSL
Supplier MSDS Date:	2015/05/01



Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION	Ingredient Name	T.L.V.	LD/50	LC/50
1309-37-1	2.3	Red Iron Oxide	5mg/m3	N/A	N/A
13463-67-7	1.0	Titanium Oxide	10mg/m3	N/A	N/A
14808-60-7	60.4	Silica, Quartz	0.05mg/m3 (R)	N/A	N/A
65997-15-1	36.2	Portland Cement	10mg/m3	N/A	N/A

Section 3: PHYSICAL DATA

Physical state:	Solid
Appearance & odor:	Odourless Powder Gray or white
Odor threshold (ppm):	Not applicable
Vapour pressure (mmHg):	Not applicable
Vapour density (air=1):	Not applicable
<u>Volatiles (%)</u>	
By volume:	Not applicable
Evaporation rate (butyl acetate = 1):	Not applicable
Boiling point(*C):	>1000*C
Freezing point (*C):	Not applicable
	pH: 12-13(Portland Cement in water)
Specific gravity @ 20*C:	2.65-4.26 (based on components)
Solubility in water (%):	~0.1~1.0
Coefficient of water/oil dist.:	Not available
VOC:	Not available

Section 4: FIRE & EXPLOSIVE DATA

Flammability:	Not flammable
Conditions of flammability:	Surrounding fire
Extinguishing media:	Suitable for surrounding fire
Special procedures:	Self-contained breathing apparatus required. Firefighters should wear the usual protective gear
Auto-ignition temperature (*C):	Not applicable
Flash point (*C):	Not applicable
Lower flammability limit (% vol):	Not applicable
Upper flammability limit (% vol):	Not applicable

Explosion Data

Sensitivity to static discharge:	Not available
Sensitivity to mechanical impact:	Not available
Hazardous combustion products:	None known
Explosive power:	Not applicable

Section 5: REACTIVITY DATA

Chemical stability:	product is stable
Conditions of instability:	will react with water
Hazardous polymerization:	will not occur
Incompatible substances:	Acids Aluminum (AL) Hydrofluoric Acid (HF) Bromine trifluoride Fluorides Ammonium salts
Hazardous decomposition products:	Adding water will produce (caustic) calcium hydroxide

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry:	Skin contact, eye contact, inhalation and ingestion
<u>Effects of acute exposure</u>	
Eye contact:	Dust may irritate the eyes. May cause inflammation.

Skin contact:

Wet product may cause chemical burns and blindness
Liquid will cause severe burns.
May cause dryness.
May cause irritation.
Effects may be delayed.
Moisture on skin will accelerate tissue damage.
May cause allergic reaction.
Corrosive when moist.

Inhalation:

Excess inhalation may cause coughing and breathing difficulties.
Silica may cause lung disease.
Irritating to the mucous membranes and respiratory system.

Ingestion:

May be harmful if swallowed.

Effects of chronic exposure:

May aggravate pre-existing skin and lung disorders.
Prolonged and repeated exposure to crystalline silica dust may cause silicosis (lung damage).

LD50 of product, species route:

Not available.

LC50 of product, species route:

Not available.

Exposure limit of material:

See hazardous ingredients section.

Irritancy of material:

See effects of acute exposure.

Sensitization of product:

Not available.

Carcinogenic effects:

Quartz (crystalline silica) is carcinogenic.

Reproductive effects:

Not available.

Teratogenicity:

Not available.

Mutagenicity:

Not available.

Synergistic materials:

Not available.

Section 7: PREVENTATIVE MEASURE

Precautionary Measures

Gloves/Type:

Wear impervious gloves.

Respiratory/Type:

Wear a NIOSH/MSHA approved respirator if ventilation is inadequate.

Eye/Type:	Safety glasses with side-shields. Do not wear contact lenses.
Footwear/Type:	Impervious boots.
Clothing/Type:	Impervious, full protective.
Other/Type:	Eye wash facility should be in close proximity. Emergency shower should be in close proximity.
Ventilation requirements: Leak/Spill:	Local exhaust and/or general ventilation. Avoid dust accumulation. Prevent entry into drains, sewers, and other water ways. Wear appropriate protective equipment. Avoid breathing dust. Scoop up and place in appropriate container. Do not dispose without diluting.
Waste disposal:	In accordance with municipal, provincial and federal regulations.
Handling procedures and equipment:	Use adequate ventilation. Avoid skin and eye contact. Wear personal protective equipment appropriate to task. Wash thoroughly after handling. Avoid generating or breathing dust. Launder contaminated clothing prior to reuse. Keep dry.
Storage requirements:	Store away from incompatible materials. Store in a dry place.
TDG Classification:	Corrosive Solid, N.O.S. (portland cement) UN1759 Class 8 PG III
Special shipping information:	See transportation information.

Section 8: FIRST AID MEASURES

Skin contact:	Remove contaminated clothing. Seek medical attention immediately.
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Eye contact: Wash thoroughly with soap and water.
Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids.
Get prompt medical attention.

Inhalation: Remove victim to fresh air.
Obtain medical attention.

Ingestion: Obtain medical attention.
Do not induce vomiting.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for and inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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