

CCI-100 COLOUR HARDENER

A-01 Terracotta, A-02 Ashford, A-03 Tumblewood, A-04 Autumn Brown, A-05 Walnut, A-06 Dark Cherry, A-07 Platinum, A-08 Grey, A-09 Charcoal, A-10 Red River, A-11 Brick Red, A-12 Brownstone, A-13 Sand, A-14 Beige, A-15 Havana, B-01 Slate, B-02 Sage, C-01 Pecan Tan, C-02 Bone, C-03 Buckskin, C-04 Winter grey, C-05 Faded Rose, C-06 Coquina, C-07 Buffalo Sand, C-08 Limestone, D-01 Blue Slate, D-02 Rink White

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: CCI-100 COLOUR HARDENER.

Synonyms: None

Chemical family: Concrete admixture.

Supplier: Same as manufacturer.

Manufacturer: Concreation Canada Inc.
582 Rivermede Road, Unit 8
Concord ON
L4K 2H5 Tel: (905) 482-3837.

Manufacturer emergency phone number: Chemtrec 800-424-9300.

Information phone number: 905-482-3837

Section 2: HAZARD IDENTIFICATION

GHS Classification

Health Hazard Class(es): Skin sensitization.
Skin corrosion/irritation, category 1 Corrosive.
Serious eye damage/eye irritation, category 1 Irreversible effects.
Carcinogenicity, category 1.
Specific target organ toxicity following single exposure, category 3.

Physical Hazard Class(es): No physical hazard class.

Environmental Hazard Class(es): No environmental hazard class.

GHS Label Elements

Symbol:





Signal word: DANGER.

Hazard statement(s): H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H350 May cause cancer.

Precautionary statement(s): P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

Other hazard(s): Not available.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	EINECS#
1308-38-9	0-5	CHROMIUM OXIDE	
1309-37-1	0-5	RED IRON OXIDE	215-168-2
13463-67-7	0-5	TITANIUM DIOXIDE	236-675-5
14808-60-7	0-50	SILICA, QUARTZ	238-878-4
65997-15-1	0-50	PORTLAND CEMENT	

Section 4: FIRST AID MEASURES

Skin contact: Immediately flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes.
Seek immediate medical attention.

Eye contact: 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. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.

Ingestion: Obtain medical attention.
Do not induce vomiting.
Never give anything by mouth to an unconscious person.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable.

Extinguishing media: As suitable for surrounding fire.

Conditions of flammability: Surrounding fire.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Sensitivity to static discharge: Not available.

Sensitivity to mechanical impact: Not available.

Rate of burning: Not applicable.

Hazardous combustion products: Not available.

Section 6: ACCIDENTAL RELEASE MEASURES

Leak/Spill: Avoid dust accumulation.
Prevent entry into drains, sewers, and other waterways.
Wear appropriate protective equipment.
Avoid breathing dust.
Avoid generating airborne dust.
Place in a closed container for disposal.

Section 7: HANDLING AND STORAGE

Handling procedures: 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.

Storage procedures: Store away from incompatible materials.
Store in a dry place.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Gloves/Type:



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: Safety shoes per local regulations.

Clothing/Type: Wear adequate protective clothes.



Impervious, full protective.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Local exhaust and/or general ventilation.
To maintain exposure below TLV.

Exposure limit of material: Not available for mixture, see the ingredients section.

Ingredients:

C.A.S.	Ingredient Name	T.L.V.	OSHA-PEL TWA	STEL	ACGIH-TLV TWA	STEL	NIOSH STEL
1308-38-9	CHROMIUM OXIDE	0.5 MG(CR)/M3	0.5 MG/M3 CR		0.5 MG/M3 CR		
1309-37-1	RED IRON OXIDE	5 MG/M3	15 MG/M3/8H TOTAL DUST	NOT AVAILABLE	5 MG/M3 RESP FRACTION	NOT AVAILABLE	NOT AVAILABLE
13463-67-7	TITANIUM DIOXIDE	10 MG/M3	15 MG/M3/8H TOTAL DUST	NOT AVAILABLE	10 MG/M3	NOT AVAILABLE	NOT AVAILABLE
14808-60-7	SILICA, QUARTZ	0.025 MG/M3 RESP	15 MG/M3/8H TOTAL DUST	NOT AVAILABLE	0.1 MG/M3/8H	NOT AVAILABLE	NOT AVAILABLE
65997-15-1	PORTLAND CEMENT	10 MG/M3	15 MG/M3/8H, TOTAL DUST		10 MG/M3		

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Appearance & odor: Powder.
Various colors.

Odor threshold (ppm): Not available.

pH: Not available.

Melting point (°C): Not available.

Boiling point (°C): Not available.

Freezing point (°C): Not available.

Flash point (°C), method: Not applicable.

Auto-ignition temperature (°C): Not available.

Explosive power: Not applicable.

Lower explosive limit: Not available.

Upper explosive limit: Not available.

Vapour pressure (mmHg): Not available.

Specific gravity @ 20 °C: Not available.

Density: Not available.

Relative density: Not available.

Vapour density (air=1): Not available.

Evaporation rate (butyl acetate = 1): Not available.

Solubility in water (%): Not available.

Coefficient of water\oil dist.: Not available.

Viscosity: Not available.

VOC: Not available.

Solid content: Not available.

Section 10: STABILITY AND REACTIVITY

Chemical stability: Product is stable.

Conditions of instability: Contact with water.

Hazardous polymerization: Not available.

Incompatible substances: Acids
Aluminum (Al).
Hydrofluoric acid (HF).
Bromine trifluoride.
Fluorides.
Ammonium salts.

Hazardous products of decomposition: Adding water will produce (caustic) calcium hydroxide.

Section 11: TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Eye contact: Dust may irritate the eyes.
May cause inflammation.
Wet product may cause chemical burns and blindness.

Skin contact: Liquid will cause severe burns.
May cause dryness.
Moisture on skin will accelerate tissue damage.
Corrosive when moist.

Inhalation: May cause coughing.
May cause sneezing.
Silica may cause lung diseases.
Irritating to the mucous membranes and respiratory system.

Ingestion: May be harmful if swallowed.

Effects of chronic exposure: Prolonged and repeated exposure to crystalline silica dust may cause silicosis (lung damage).
Effects may be delayed.

Sensitization to product: Not available.

Carcinogenic effects: Quartz (crystalline silica) is carcinogenic.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Ingredients:

C.A.S.	Ingredient Name	LD/50	LC/50
1308-38-9	CHROMIUM OXIDE	NOT AVAILABLE	NOT AVAILABLE
1309-37-1	RED IRON OXIDE	NOT AVAILABLE	NOT AVAILABLE
13463-67-7	TITANIUM DIOXIDE	NOT AVAILABLE	NOT AVAILABLE
14808-60-7	SILICA, QUARTZ	NOT AVAILABLE	NOT AVAILABLE
65997-15-1	PORTLAND CEMENT	NOT AVAILABLE	NOT AVAILABLE

Section 12: ECOLOGICAL INFORMATION

Environmental fate: No data at this time.

Environmental toxicity: No data at this time.

Section 13: DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with municipal, provincial and federal regulations.

Section 14: TRANSPORT INFORMATION

TDG classification:

CORROSIVE SOLID, N.O.S. (portland cement)
UN1759
Class 8
PG III.



DOT: Not available.

ICAO/IATA: Not available.

IMDG: Not available.

Special instructions: Not available.

Marine Pollutant: Not available.

Section 15: REGULATORY INFORMATION

DSL status: Appears on DSL.

CERCLA reportable quantity: Not available.

TSCA inventory: All ingredients are listed on the TSCA inventory.

SARA Section 313: Not available.

SARA hazard categories sections Immediate (Acute) Health Hazard: Yes.

311/312: Delayed (Chronic) Health Hazard: Yes.

Fire Hazard: No.

Sudden Release of Pressure: No.

Reactive: Slight.

Health Hazard: 3

Flammability: 0

Physical hazard: 0

NFPA Health Hazard: 3

NFPA Flammability: 0

NFPA Reactivity: 0

NFPA:



Section 16: OTHER INFORMATION

Data prepared by: Conform–Action Data Systems
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Date of the latest SDS revision: 2016/10/26.

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