



SECTION 1: IDENTIFICATION

Products: Interlocking Paving Stones, Retaining Walls, Concrete Curbs, Slabs, Window Sills, Steps, Concrete Brick Masonry Units

Manufacture's Name and Address:

Best Way Stone Ltd.
8821 Weston Road
Woodbridge, ON
L4L 1A6

Best Way Stone Ltd.
63 Anderson Blvd.
Uxbridge, ON

Telephone number: 1-800-237-8929

Emergency Telephone Number: 1-800-237-8929

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SECTION 2: HAZARDS IDENTIFICATION

Skin irritation – 2

Eye irritation – 2A

Skin sensitization – 1

Carcinogenicity – 1A

Specific target organ toxicity – Single exposure – 3

Specific target organ toxicity – Repeated exposure – 1

HAZARD PICTOGRAM:



SIGNAL WORD:**DANGER****Hazard Statement:**

Can cause skin irritation, serious eye irritation and may cause an allergic skin reaction. Respirable dust may contain crystalline quartz that is known to cause cancer. Prolonged or repeated exposure to respirable crystalline quartz causes damage to lungs.

Prevention:

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment for face, body and hands. Only use outdoors or in a well – ventilated area. Do not breathe dust.

Response:

If exposed or concerned get medical advice or attention. If on skin wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs seek medical advice or attention. If in eyes, rinse with water for several minutes, remove contact lenses (if present) and continue rinsing. If irritation persists seek medical advice or attention. If inhaled move person to fresh air and keep comfortable for breathing. Call poison control or seek medical attention if you feel unwell.

Storage: NA**Disposal:**

Dispose of unused or unwanted concrete products in accordance with your local, regional and national regulations.

SECTION 3: INFORMATION ON INGREDIENTS

Mixtures:

Coarse Aggregate	Not available	Not available
Portland Cement	Not available	65997-15-1
Slags	Not available	68131-74-8
Water	Not available	65996-69-2
Silica, crystalline quartz	Not available	7732-18-5

Ferric oxide	UN1376	1309-37-1
Calcium carbonate	Not available	1317-65-3
Calcium hydroxide	Not available	1305-62-0
Silica, amorphous	Not available	7631-86-9
Admixtures	Not available	Not available

SECTION 4: FIRST AID MEASURES

Eye:

In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Can cause serious eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production with possible redness and swelling. Seek medical attention if this develops.

Skin:

Wear gloves when handling product to avoid drying and mechanical abrasion of the skin. If an irritation occurs wash with plenty of soap and water. Remove contaminated clothing and shoes, and wash clothing before reuse. If irritation continues seek medical attention.

Inhalation:

If inhaled, remove to fresh air and keep in a rest position comfortable for breathing. Seek medical attention or advice as the dust may cause respiratory tract irritation.

Ingestion:

Do **NOT** induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention in symptoms occur.

Note to Physicians:

Symptoms may not appear immediately.

SECTION 5: FIRE – FIGHTING MEASURES

Flammability:

Not flammable

Extinguishing guide:

Use an extinguishing agent suitable for the surrounding fire, since the material will not burn.

Special Hazards:

May include, and are not limited to: oxides of carbon

Special protective equipment for fire-fighters:

Fire fighters should wear appropriate protective equipment for the surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency producers:

Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unprotected personnel.

Methods for Containment:

Pick up large pieces and place in a suitable container. Do not allow to enter waterways. Use appropriate personal protective equipment (PPE).

Methods for Cleanup:

Vacuum or sweep material and place in a disposal container. Use wet method to reduce the generation of dust if available. Provide ventilation if dust is generated.

SECTION 7: HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes. Use good housekeeping to prevent the accumulation of dust. Avoid generating and breathing dust. When available use a wet method to reduce the amount and/or generation of dust. Do not eat or drink when handling the product.

General Hygiene:

Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse.

Storage:

Avoid any dust buildup by cleaning the site frequently.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTIVE

Exposure Guidelines:

Occupational Exposure Limits		
Ingredient	OSHA-PEL	ACGIH-TLV
Coarse Aggregate	Not available	Not available
Portland Cement	1 mg/m ³	1 mg/m ³ (no asbestos and <1% crystalline silica, respirable fraction)
Slags	Not available	Not available
Water	Not available	Not available
Silica, crystalline quartz	10 mg/m ³	0.025 mg/m ³
Ferric oxide	10 mg/m ³	5mg/m ³ (iron oxide fume)
Calcium carbonate	15 mg/m ³ (total); 5 mg/m ³ (resp.)	10 mg/m ³
Calcium hydroxide	15 mg/m ³ (total); 5 mg/m ³ (resp.)	5 mg/m ³
Silica, amorphous	80 mg/m ³ / %SiO	10 mg/m ³
Admixtures	Not available	Not available

Engineering Controls:

When using product provide exhaust ventilation to keep airborne dust concentrations below exposure limits. Use a wet method if available to reduce the generation of dust.

Individual Protective Measures;

Personal Protective Equipment (PPE):

Eye / Face protection:

Safety glasses or goggles are recommended when handling this product.

Skin Protection:

Wear gloves and protective clothing.

Respiratory protection:

A National Institute for Occupational Safety and Health (NIOSH) approved dust mask is recommended in poorly ventilated areas or when exposure limits may be

exceeded. If respiratory protection is required, follow the requirements of CSA Standard for respirators is Z94.4-02, Use and Care of Respirators or the Federal OSHA Respiratory Protection Standard (29 CFR 1910.134) or equivalent State standard.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Color: Various, depends on possible pigmentation

Odor: Odorless

Molecular weight: 60.09 g / mole

Molecular formula: SiO₂

Solubility: Insoluble in cold water, hot water

Boiling Point: Not available

Vapour Pressure: Not available

Vapour Density: Not available

Melting Point: Not available

Specific Gravity: Not available

Evaporation rate: Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No dangerous reaction known under normal use conditions.

Chemical Stability:

Stable under normal use.

Possibility of Hazardous reaction:

No dangerous reaction known under normal use conditions.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous Decomposition products:

None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological effects:

Likely routes of exposure are; eyes, skin contact and inhalation.

Eyes: causes serious eye irritation. Symptoms may include swelling, redness, discomfort or pain, excess blinking and tear production.

Skin: Causes skin irritation. Wear gloves when handling product.

Inhalation: Dust may cause respiratory tract irritation

Ingestion: Not a normal route of exposure.

Acute Toxicity:

Ingredient	IDLH	LC50	LD50
Coarse aggregate	Not available.	Not available.	Not available.
Portland cement	5000 mg/m ³	Not available.	Not available.
Water	Not available.	Inhalation 90000 mg/m ³ /4h, rat	Oral >90000 mg/kg, rat Dermal >90000 mg/kg, rabbit
Silica, crystalline, quartz	Ca [25 mg/m ³ (cristobalite, tridymite); 50 mg/m ³ (quartz, tripoli)]	Not available.	Oral 500 mg/kg, rat
Ferric oxide	2500 mg Fe /m ³	Not available.	Oral >10000 mg/kg, rat
Calcium carbonate	Not available.	Not available.	Oral 6450 mg/kg, rat
Calcium hydroxide	Not available.	Not available.	Oral 7340 mg/kg, rat

Silica, amorphous, fumed	Not available.	Inhalation ≥58.8 mg/l/1h, rat	Oral >5000 mg/kg, rat Dermal >2000 mg/kg, rabbit
Admixtures	Not available.	Not available.	Not available.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Coarse aggregate	Not listed.
Portland cement	G-A4
Slags, ferrous metal, blast furnace	Not listed.
Water	Not listed.
Silica, crystalline, quartz	G-A2, I-1, N-1, O, CP65
Ferric oxide	G-A4, I-3
Calcium carbonate	Not listed.
Calcium hydroxide	Not listed.
Silica, amorphous,	I-3
Admixtures	Not listed.

Delayed, Immediate, and chronic effects of Short and Long Term Exposure

Skin irritation: causes skin irritation and allergic skin reaction

Eye irritation: causes serious eye irritation

Respiratory: may cause respiratory tract irritation

Carcinogenicity: Respirable dust may contain crystalline silica, known to cause cancer.

STOT- Repeated Exposure: Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure. Silicosis is a form of disabling pulmonary fibrosis, which can be progressive and may lead to death.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: No ecological issues when used according to directions.

Persistence and Degradability: Some metallic oxides

Bio accumulative potential: Not available

Mobility soil: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal method:

Normal breakage may be picked up and discarded as common waste. Residue from dry sawing and grinding operations should be disposed of in accordance with federal, state, provincial and local regulations.

SECTION 14: TRANSPORT INFORMATION

Transport Information:

Concrete products are not classified as a hazardous material under Canadian TDG or U.S. DOT regulations. Therefore there are no special requirements for transport.

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation and this SDS contains all the information required by the Hazardous Products Regulation.

SARA Title III				
Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA	Section 313
			RQ (lbs.)	
Coarse aggregate	Not listed.	Not listed.	Not listed.	Not listed.
Portland cement	Not listed.	Not listed.	Not listed.	Not listed.
Ashes (residues)	Not listed.	Not listed.	Not listed.	Not listed.
Slags, ferrous metal, blast furnace	Not listed.	Not listed.	Not listed.	Not listed.
Water	Not listed.	Not listed.	Not listed.	Not listed.

Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Ferric oxide	Not listed.	Not listed.	Not listed.	Not listed.
Calcium carbonate	Not listed.	Not listed.	Not listed.	Not listed.
Calcium hydroxide	Not listed.	Not listed.	Not listed.	Not listed.
Silica, amorphous, fumed	Not listed.	Not listed.	Not listed.	Not listed.
Admixtures	Not listed.	Not listed.	Not listed.	Not listed.

Global inventories:

Ingredient	Canada DSL/NDSL
Coarse aggregate	Not available.
Portland cement	DSL
Ashes (residues)	DSL
Slags, ferrous metal, blast furnace	DSL
Water	DSL
Silica, crystalline, quartz	DSL
Ferric oxide	DSL
Calcium carbonate	NDSL
Calcium hydroxide	DSL
Silica, amorphous, fumed	DSL
Admixtures (organic and inorganic)	Not available.

NFPA-National Fire Protection Association:	
Health:	2
Fire:	0
Reactivity:	0

HMIS-Hazardous Materials Identification System:	
Health:	2
Fire:	0
Physical Hazard:	0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SECTION 16: OTHER INFORMATION

Date of Preparation: **March 7, 2016**

Date Revised:

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