

## Powder Release

### Section 1: PRODUCT INFORMATION

**Chemical family:** Mixture

**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:** Not regulated.

**WHMIS classification:** Not controlled.

**DSL status:** Appears on DSL.

**Supplier MSDS date:** 2008/04/25

### Section 2: HAZARDOUS INGREDIENTS

C.A.S.	Concentration %	Ingredient Name	T.L.V.	LD/50	LC/50
1309-38-2	7.7	IRON OXIDE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
471-34-1	83.0-92.3	CALCIUM CARBONATE	5 MG/M3	6450 MG/KG RAT ORAL	NOT AVAILABLE
57-11-4	0.9-9.23	STEARIC ACID	NOT AVAILABLE	>5000 MG/KG RABBIT DER-MAL	NOT AVAILABLE

### Section 3: PHYSICAL DATA

Physical state:	Solid
Appearance & odor:	White/Odourless/Powder.
Odor threshold (ppm):	Not applicable.
Vapour pressure (mmHg):	Not applicable.
Vapour density (air=1):	Not applicable.
Volatiles (%) By volume:	Not applicable.
Evaporation rate (butyl acetate = 1):	Not applicable.
Boiling point (°C):	Not available.
Freezing point (°C):	Not applicable.
pH:	Not available.
Specific gravity @ 20 °C:	Not available.
Solubility in water (%):	Insoluble.
Coefficient of water/oil dist.:	Not available.
VOC:	Not available.

### Section 4: FIRE & EXPLOSION DATA

Flammability:	Not flammable.
Conditions of flammability:	Contact with fluorine can cause ignition.
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 available.
Flash point (°C), method:	Not applicable.
Lower flammability limit (% vol):	Not applicable.

**Upper flammability limit (% vol):** Not applicable.

**Explosion Data**

**Sensitivity to static discharge:** Not expected.

**Sensitivity to mechanical impact:** Not available.

**Hazardous combustion products:** Calcium oxide.

**Explosive power:** Not explosive.

**Section 5: REACTIVITY DATA**

**Chemical stability:** Product is stable.

**Conditions of instability:** Avoid moist air or water.  
High concentration of dust.

**Hazardous polymerization:** Will not occur.

**Incompatible substances:** Aluminum (Al).  
Fluorine gas.  
Ammonium salts.  
Mercury – hydrogen mixtures.

**Hazardous decomposition products:** Calcium oxide.

**Section 6: TOXICOLOGICAL PROPERTIES**

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

**Effects of acute exposure**

**Eye contact:** Abrasive.

<b>Exposure limit of material:</b>	Recommended. 10 mg/m <sup>3</sup> total dust – 5 mg/m <sup>3</sup> respirable dust.
<b>Irritancy of material:</b>	Slight.
<b>Sensitization to product:</b>	Not available.
<b>Carcinogenic effects:</b>	Not listed as a carcinogen.
<b>Reproductive effects:</b>	None known.
<b>Teratogenicity:</b>	Not available.
<b>Mutagenicity:</b>	Not available.
<b>Synergistic materials:</b>	None known.

## Section 7: PREVENTATIVE MEASURES

### Precautionary Measures

<b>Gloves/Type:</b>	Neoprene rubber or leather gloves.
<b>Respiratory/Type:</b>	Wear a NIOSH/MSHA approved respirator if ventilation is inadequate.
<b>Eye/Type:</b>	Dust resistant safety goggles.
<b>Footwear/Type:</b>	No special footwear required.
<b>Clothing/Type:</b>	Long sleeve shirt, long trousers.
<b>Other/Type:</b>	Eye wash facility should be in close proximity. Emergency shower should be in close proximity.
<b>Ventilation requirements:</b>	Local exhaust and/or general ventilation.
<b>Leak/Spill:</b>	Avoid dust accumulation. Prevent entry into drains, sewers, and other waterways. Wear appropriate protective equipment. Avoid breathing dust. Collect material by wet sweeping, dry sweeping with a sweeping

compound or by vacuum cleaning with an explosion proof apparatus equipped with a high efficiency particulate air filter.

Scoop up and place in appropriate container.

**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.

Laundry contaminated clothing prior to reuse.

**Storage requirements:**

Store away from incompatible materials.

Store in a cool and dry place.

**TDG classification:**

Not regulated.

**Special shipping information:**

Not regulated.

**Section 8: FIRST AID MEASURES**

**Skin contact:**

Wash thoroughly with soap and water.

Consult a physician if irritation persists.

**Eye contact:**

Flush with plenty of water.

If irritation occurs, consult a physician.

**Inhalation:**

Remove victim to fresh air.

If breathing is difficult, obtain immediate medical attention.

**Ingestion:** Obtain immediate medical attention.

**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 any 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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