

# MATERIAL SAFETY DATA SHEET

**Product Identity:** EZ Crete Packaged Concrete Mixes

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## SECTION I -

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**Manufactured for:** Red Flint Sand & Gravel

**Address**

717 Short Street  
Eau Claire, WI 54702

**Telephone:** 715-855-7750

**Fax:** 715-835-0662

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## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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Component	Comments	Listed as a Carcinogen in NTP, IARC, or OSHA
Portland Cement	PEL 5mg/m <sup>3</sup> TVL 5 mg/m <sup>3</sup>	
Crystalline Silica	PEL 10mg/m <sup>3</sup> TVL 0.05 (respirable) mg/m <sup>3</sup>	IARC - Carcinogen
Lime	PEL 5 mg/m <sup>3</sup> TVL 5 mg/m <sup>3</sup>	

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## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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<b>Boiling Point</b>	>2700 °F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	2.6 to 3.15
<b>Vapor Pressure (mm Hg)</b>	None	<b>Melting Point:</b>	
<b>Vapor Density (Air = 1)</b>	None	<b>Evaporation Rate (Butyl Acetate =1)</b>	None
<b>Solubility in Water</b>	Slightly (0.1 to 1.0%)	<b>Percent Volatile by Volume (%)</b>	N/A
		<b>pH (in Water)</b>	12 to 13
<b>Appearance and Odor</b>	Grey to grey-brown colored powder and aggregate		

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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<b>Flash Point (Method Used):</b>	None	<b>Flammable Limits: LEL:</b>	N/A	<b>UEL</b>	N/A
<b>Extinguishing Media:</b>	Not Combustible				
<b>Unusual Fire and Exposiong Hazards:</b>	None. (although portland cement poses no fire-related hazards, a self-contained breathing apparatus is recommended to limit exposure to combustion products when fighting any fire.)				

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## SECTION V - REACTIVITY DATA

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**Stability:** Stable                      **Conditions to Avoid:**

**Incompatibility (Materials to Avoid):** Contact of silica with powerful oxidizing agents may cause fire.

**Hazardous Decomposition or Byproducts:** Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas.

**Hazardous Polymerization:** Will Not Occur

**Conditions to Avoid:** Keep dry until used to preserve product utility

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## SECTION VI HEALTH HAZARD DATA

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### Effects of overexposure - Conditions to Avoid:

Product becomes alkaline when exposed to moisture. Exposure can dry the skin, cause alkali burns and effect mucous membranes. Dust can irritate the eyes and upper respiratory system. Excessive exposure to skin and eyes especially when mixed with water can cause caustic burns.

**Threshold Limit Value:**  $L_E = 10/Q_{r(\%)}+2^{**}$

\*\*  $L_E$  = Exp. Limit in milligrams/meter<sup>3</sup>  $Q_{r(\%)}$  = Percentage of respirable quartz

**Primary Routes of Entry:** Inhalation, Skin Contact, Ingestion

### Emergency and First Aid Procedures

**Inhalation of airbourne dust:** Remove person to fresh air.

**Ingestion:** Do not induce vomiting

**Skin Contact:** Wash skin with cool water and pH-neutral soap.

**Eye Contact:** Immediately flush eyes thoroughly with water for 15 minutes.

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## SECTION VII - SPILL OR LEAK PROCEDURES

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### Steps to Be Taken in Case Material is Released or Spilled:

Use dustless methods (vacuum) and place into covered container for disposal

### Waste Disposal Method:

Dispose of waste material accoding to local, state, and federal regulations

**RCRA Hazardous Waste No.:** None

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## SECTION VIII - SPECIAL PROTECTION INFORMATION

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### Respiratory Protection (specify Type):

Do not breathe dust. MSHA or NIOSH approved respirator is recommended.

### Ventilation:

**Local Exhaust:**

**Mechanical (General):**

**Special:**

**Other:**

Collect dust at point of generation

Exhaust ventilation depending on space.

**Protective Gloves:** Waterproof

**Eye Protection:** Wear tight fitting goggles

**Other Protective Clothing or Equipment:**  
the use of barrier creams or impervious gloves, boots and clothing to protect the skin from contact.

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## **SECTION IX - SPECIAL PRECAUTIONS**

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**Precautions To Be Taken in Handling and Storing:**

Store material on pallets in dry location. Prevent contact with moisture, prevent particles from becoming airborne.

**Other Precautions:**

Precautions must be observed because burns occur with little warning -- little heat is sensed.

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### **NOTICE:**

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