

## MATERIAL SAFETY DATA SHEET

### PRECAST CONCRETE PRODUCTS

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Precast Concrete Products  
General Use: Precast Concrete Products  
Product Description: Window Wells, Splash Blocks, Wheel Stops, Light Pole Bases, Retaining Wall, Pads, Column and Wall Cap, Sill, Banding, Balusters, Keystones, Tables, Benches, Planters, Burial Vaults, etc.

#### MANUFACTURER

E & C Precast Concrete, Inc.  
Plum Creek Products Company  
9608 Moore Road  
Littleton, CO 80125

#### EMERGENCY TELEPHONE NUMBERS

CHEMTREC: 800-424-9300  
E & C Precast: 303-791-7571

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#### 2. COMPOSITION INFORMATION ON INGREDIENTS

<u>Component</u>	<u>% by Wt.</u>	<u>CAS #</u>
Aggregate Stone	42	
Portland Cement	19	65997-15-1
Sand	38	
Water	1	

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#### 3. HAZARD IDENTIFICATION

##### EMERGENCY OVERVIEW

Precast concrete products are solid and pose no immediate hazard. However, dry cutting, grinding, or drilling of the product can release trace amounts of crystalline silica in the dust. A single short term exposure is not likely to cause harm. Though many years of unprotected exposure can cause serious and potentially irreversible damage.

##### POTENTIAL HEALTH EFFECTS

##### EYE CONTACT:

Exposure to airborne dust particles containing crystalline silica may cause minor irritation or inflammation.

##### SKIN CONTACT:

Prolonged exposure of concrete dust to wet skin may cause irritation or dermatitis (skin rash).

##### INGESTION:

N/A

##### INHALATION:

Prolonged exposure to excessive amounts of respirable silica can aggravate other lung conditions and may result in silicosis, a disabling and potentially fatal lung disease.

**CHRONIC:**

Dry cutting, grinding, or drilling of concrete products may result in the release of respirable crystalline silica in the dust produced. Prolonged exposure to this airborne silica dust may cause chronic lung disease, silicosis. Silicosis begins when silica particles become impacted on the lung. The bodies natural enzymes can not remove these and so form fibers which decrease the lungs capacity. In most cases it takes many years of exposure for the disease to develop.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Pre-existing upper respiratory conditions and lung diseases such as emphysema or asthma may be aggravated by exposure. Silicosis can increase your chance of getting tuberculosis. Smoking aggravates the effects of exposure.

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**4. FIRST AID MEASURES**

**EYE CONTACT:**

Immediately flush eyes thoroughly with water. Continue for at least 15 minutes. Call physician if irritation persists.

**SKIN CONTACT:**

Wash skin completely with cool water and a mild soap.

**INGESTION:**

N/A

**INHALATION:**

Remove to fresh air. Call a physician if symptoms persist.

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**5. FIRE AND EXPLOSION**

Flash Point:	None	General Hazard:	None
Lower Flammable Limit:	None	Extinguishing Media:	None
Upper Flammable Limit:	None	Fire Fighting Equipment:	None
Auto Ignition Temperature:	None	Fire Fighting Instruction:	None

**NFAP HAZARD RATING**

Health:	* no information
Flammability:	* no information
Reactivity:	* no information
Special Hazards:	* no information

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**6. ACCIDENTAL RELEASE MEASURES**

Normal spillage may be scooped up and discarded as common waste. Avoid actions that cause dust to become airborne. Dispose of waste material according to local, state, and federal regulations.

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**7. HANDLING AND STORAGE**

Storage Temperature: n/a  
Storage Pressure: n/a

When cutting, grinding, or drilling concrete products use adequate ventilation. Minimize dust with a water hose or

vacuum. Use wet sweeping instead of dry sweeping for clean up. Remove dusty clothing and wash skin thoroughly after exposure.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EYE PROTECTION:

Wear safety glasses with side shields or goggles when cutting, grinding, or drilling.

### SKIN PROTECTION:

Wear long sleeve shirt, long pants and gloves when cutting, grinding, or drilling to avoid skin contact.

### RESPIRATORY PROTECTION:

Avoid unprotected exposure to actions that cause dust to become airborne. Use local exhaust ventilation or NIOSH approved respirators in poorly ventilated areas if required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	gray solid	Evaporation rate:	n/a
Physical state:	solid	Odor:	odorless
Solubility in water:	n/a	pH:	n/a
Vapor density:	n/a	Percent volatile:	n/a
Boiling point:	n/a	Freezing point:	n/a

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## 10. STABILITY AND REACTIVITY

Stability:	stable
Incompatibility:	none
Hazardous decomposition:	will not occur
Hazardous polymerization:	will not occur

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## 11. TOXICOLOGICAL INFORMATION

No Data

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## 12. ECOLOGICAL INFORMATION

No Data

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## 13. DISPOSAL

Dispose of waste material according to local, state, and federal regulations.

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## 14. TRANSPORTATION INFORMATION

Proper shipping name: Precast concrete products are not hazardous under CDOT regulations

Hazard class: n/a

Identification number: n/a

**15. REGULATORY INFORMATION**

Status under	USDOL-OSHA:	No Data
	CERCLA:	No Data
	SARA TITLE III:	No Data
	TSCA:	No Data
	Federal Hazardous Substances Act:	No Data
	California Proposition 65:	No Data

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**16. OTHER INFORMATION**

The information contained herein is furnished without warranty of any kind. The information provided is believed by E & C Precast Concrete, Inc. to be accurate at the time of preparation. However, it is the responsibility of the user to investigate and understand other pertinent sources of information and to comply with any laws or procedures applicable to the safe handling and use of precast concrete products.

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Littleton, Colorado  
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