

## SAFETY DATA SHEET

### CAST STONE PRODUCTS

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: GFRC (SCC)  
General Use: Cast Stone Concrete Products  
Product Description: Custom Architectural, Column and Wall Cap, Sill, Banding, Balustrade, Door Surrounds, Tables, Benches, Planters, Pool Coping, Paver Stones, Fireplaces, Fire Pits, Countertops, etc.

##### MANUFACTURER

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

##### EMERGENCY CONTACT INFORMATION

E&C Precast: 303-791-7571  
Website: [www.eandcprecast.com](http://www.eandcprecast.com)  
Chem-Tel: 800-255-3924

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#### 2. COMPOSITION INFORMATION ON INGREDIENTS

The following ingredients are considered hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200

<u>Component</u>	<u>% by Wt.</u>	<u>CAS #</u>
Portland Cement	50	65997-15-1
Quartz	50	14808-60-7
Calcium Oxide	0-4	1305-78-8
Chromium	0-13	18450-29-9

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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; however, many years of unprotected exposure can cause serious and potentially irreversible damage.

##### POTENTIAL HEALTH EFFECTS

###### EYE CONTACT:

Exposure can cause serious eye damage, irritation, or inflammation.

###### SKIN CONTACT:

Prolonged exposure may cause irritation, dermatitis (skin rash), or severe burns.

###### INGESTION:

May cause burns to mouth and throat.

###### INHALATION:

Prolonged exposure respiratory irritation.

###### 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 body's natural enzymes cannot 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 plenty of water. Continue to rinse for at least 20 minutes. Call physician if irritation persists.

##### SKIN CONTACT:

Wash skin completely with cool water and a mild soap. Seek medical attention for rashes, burns, irritation, or dermatitis.

##### INGESTION:

Do not induce vomiting unless directed to do so by medical personnel. Give small quantities of water to drink.

##### INHALATION:

Remove to fresh air. Call a physician if coughing or other symptoms persist.

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#### 5. FIRE AND EXPLOSION

Flash Point: None  
Lower Flammable Limit: None  
Upper Flammable Limit: None  
Auto Ignition Temperature: None

General Hazard: None  
Extinguishing Media: None  
Fire Fighting Equipment: None  
Fire Fighting Instruction: None

##### NFAP HAZARD RATING

Health: 2  
Flammability: 0  
Reactivity: 0  
Special Hazards: 0

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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:	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**

Not regulated under CDOT regulations

Hazard class: n/a

Identification number: n/a

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**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.

Prepared by Kerry McGuire, Safety Administrator  
E&C Precast Concrete, Inc.  
January 2003