

SAFETY DATA SHEET

PRECAST CONCRETE PRODUCTS

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, Coping, Fence, 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

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	

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 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 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.

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.

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: * no information

Flammability: * no information

Reactivity: * no information

Special Hazards: * no information

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.

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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: gray solid
Physical state: solid
Solubility in water: n/a
Vapor density: n/a
Boiling point: n/a

Evaporation rate: n/a
Odor: odorless
pH: n/a
Percent volatile: n/a
Freezing point: n/a

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

No Data

12. ECOLOGICAL INFORMATION

No Data

13. DISPOSAL

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

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

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.
Littleton, Colorado
January 2003