



Safety Data Sheet

Glass Fiber Reinforced Concrete & Precast Concrete

Section 1: Identification

- 1.1 Product: Manufactured Precast & Glass Fiber Reinforced Concrete (GFRC) Products
- 1.2 Manufacturer Address and Emergency Contact Information:

GC Products, Inc.
1601 Aviation Blvd, Suite 150
Lincoln, CA 95648
P. 916-645-3870 F. 916-645-3857
www.gcproductsinc.com

- 1.3 Recommended Use: Architectural Elements for Building Construction

Section 2: Hazardous Identification

2.1	Chemical Names:	ACGIH TLV	OSHA PEL	CALIFORNIA
	Fiberglass	10 mg/m ³	15 mg/m ³	10 mg/m ³
	Portland Cement	15/5 mg/m ³	10 mg/m ³	n/a

- 2.2 Inhalation: Dust from grinding or cutting may be irritating if excessive.
- 2.3 Contact with Skin or Eyes: Dust from grinding or cutting may cause irritation or dry skin. Cement is a strongly alkaline material.
- 2.4 Absorbed Through Skin: N/A
- 2.5 Swallowed: May be corrosive to the digestive tract.
- 2.6 Acute: Exposure to glass fibers in the dust from this product may cause irritation of the skin and less frequently, irritation of the eyes, nose, or throat. Cement dust is a respiratory irritant and may dry the skin.
- 2.7 Suspected Cancer Agents: None
- 2.8 Medical Conditions Aggravated by Exposure: Those prone to allergies, asthma, bronchitis, or pulmonary disease may experience increased irritation to the nose, throat, eyes, or skin.

Section 3: Composition

- 3.1 Manufactured Precast & GFRC products are made of a combination of Portland cement, graded natural sand, glass fibers, steel or fiber reinforcement, water and additives which permanently harden into the design molded shape. The final product becomes largely inert under normal handling and installation conditions.



Section 4: First Aid Measures

- 4.1 Eye Contact: Wash with distilled water. Consult a physician if irritation persists.
- 4.2 Skin Contact: Wash with water.
- 4.3 Inhaled: Remove to fresh air. Consult a physician if irritation persists.
- 4.4 Swallowed: Dilute by giving two 8 oz. glasses of milk or water followed by fruit juices or diluted vinegar to neutralize the alkali from the cement. Consult a physician.

Section 5: Fire Fighting Measures

- 5.1 Flash Point: Non-Combustible
- 5.2 Auto-Ignition Temperature: N/A
- 5.3 Fire Extinguishing Compounds: Use which is appropriate for fire on surrounding materials: Water Spray, Carbon Dioxide, Foam, Dry Chemical or Other.
- 5.4 Special Firefighting Procedures: None
- 5.5 Unusual Fire and Explosion Hazards: None

Section 6: Accidental Release Measures

- 6.1 There are no accidental release measures associated.

Section 7: Handling and Storage

- 7.1 Handling manually, use work gloves.
- 7.2 Handling mechanically, use proper mechanical or hydraulic equipment to control and install heavy products.
- 7.3 Store in dry area.

Section 8: Exposure Controls

- 8.1 **Ventilation and Engineering Controls:** Local exhaust, if above TLV, during cutting or grinding.
- 8.2 **Respiratory Protection:** NIOSH approved respirator for dust if above TLV during cutting or grinding.
- 8.3 **Eye Protection:** Dust goggles or safety glasses during cutting or grinding.
- 8.4 **Gloves:** Light weight or work gloves may help reduce skin irritation.
- 8.5 **Other Clothing and Equipment:** Coveralls or work clothes to protect street clothes from dust.
- 8.6 **Work Practices, Hygienic Practice:** Keep dust production to a minimum. Keep work area clean. Do not use compressed air to “blow down” clothing. Wash exposed skin surfaces regularly with soap and water.



Section 9: Physical and Chemical Properties

- 9.1 Vapor Density (air=1): N/A
- 9.2 Specific Gravity: 2.7 – 3.0
- 9.3 Solubility in Water: 0.2%
- 9.4 Vapor Pressure, mmHG or 20% C: N/A
- 9.5 Appearance and Odor: Material comes in various molded shapes and sizes.
- 9.6 Odor: None
- 9.7 Melting Point or Range: 1450° C (2642 ° F) = Decomposes
- 9.8 Boiling Point or Range: N/A
- 9.9 Evaporation Rate (Butyl Acetate=1): N/A
- 9.10 Flammable Limits in Air: N/A

Section 10: Stability and Reactivity

- 10.1 Stability: Stable
- 10.2 Conditions to Avoid: None.
- 10.3 Incompatibility: Acids
- 10.4 Hazardous Decomposition Products: If heated to 1450° C, will release SO and CAE.
- 10.5 Hazardous Polymerization: Will not Occur

Section 11: Toxicological Information

- 11.1 No toxicological information is available.

Section 12: Ecological Information

- 12.1 No ecological information is available.

Section 13: Disposal Considerations

- 13.1 No particular disposal considerations are necessary. Repurpose is possible.

Section 14: Transportation Information

- 14.1 No particular transportation hazard is associated. Follow safe handling, strapping and hauling practices for transportation.

Section 15: Regulatory Information

- 15.1 California Employees Using Cal/OSHA: Regulated carcinogens must register with Cal/OSHA. The Federal OSHA carcinogen lists are similar.

Section 16: Other Information

- 16.1 No other information is necessary.