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GC Products, Inc. GFRC* - Glass Fiber Reinforced Cement Safety Data Sheet

1.0 Product Identification

1. Material – Glass Fiber Reinforced Cement (GFRC)

2. Manufacturers:

GC Products, Inc.

601 7th St., PO Box 1767

Lincoln, CA 95648

P. 916.645.3870 F. 916.645.3857

www.gcproductsinc.com

2.0 Hazardous Ingredients

1. Chemical Names:	ACGIH TLV	OSHA PEL	OTHER
2. Fiberglass:	10 mg/m ³	15 mg/m ³	10 mg/m ³ in CA
3. Portland Cement:	15/5 mg/m ³	10 mg/m ³	

2.1 Physical Properties

1. Vapor Density (air=1):	N/A
2. Specific Gravity:	2.7 – 3.0
3. Solubility in Water:	0.2%
4. Vapor Pressure, mmHG or 20% C:	N/A
5. Appearance and Odor Appearance:	Material comes in pre-manufactured molded shapes.
6. Odor:	None
7. Melting Point or Range (F):	1450° C = Decomposes
8. Boiling Point or Range (F):	N/A
9. Evaporation Rate (Butyl Acetate=1):	N/A

2.2 Fire and Explosion

1. Flash Point (F) (give method):	Non-Combustible	
2. Auto-Ignition Temperature (F):	N/A	
3. Flammable Limits in Air (Volume %):	N/A Lower (LEL)___ Upper (UEL)___	
4. Fire Extinguishing Materials:	That which is appropriate for surrounding fire.	
___ Water Spray	___ Carbon Dioxide	___ Other
___ Foam	___ Dry Chemical	

- | | | |
|----|-------------------------------------|------|
| 5. | Special Firefighting Procedures: | None |
| 6. | Unusual Fire and Explosion Hazards: | None |

3.0 Health Hazard Information

1. Inhaled: Dust from grinding or cutting may be irritating if excessive.
2. Contact with Skin or Eyes: Dust from grinding or cutting may cause irritation or dry skin. Cement is a strongly alkaline material.
3. Absorbed Through Skin: N/A
4. Swallowed: May be corrosive to the digestive tract.

3.1 Health Effects or Risks from Exposure

1. 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. Chronic: None Known
3. Eyes: None Known
4. Skin: None Known
5. Inhalation: Long-term inhalation of large amounts of dust may cause lung damage.
6. Digestive: None Known
7. Suspected Cancer Agents: No – These product ingredients are not found in the lists.
Yes – Federal OSHA ___ NTP ___ IARC ___

3.2 First Aid – Emergency Procedures

1. Eye Contact: Wash with distilled water. Consult a physician if irritation persists.
2. Skin Contact: Wash with water.
3. Inhaled: Remove to fresh air. Consult a physician if irritation persists.
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.

3.3 Misc. Health Issues

1. California Employees Using Cal/OSHA: Regulated carcinogens must register with Cal/OSHA and the Federal OSHA carcinogen lists are similar.
2. 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.

3.4 Reactivity Data

1. Stability: Stable
2. Conditions to Avoid: None. Material will lose its integrity when submersed in water.
3. Incompatibility: Acids
4. Hazardous Decomposition Products (including combustion products): If heated to 1450° C, will release SO and CAE.
5. Hazardous Polymerization: Will not Occur

4.0 Special Handling Information

1. Ventilation and Engineering Controls: Local exhaust, if above TLV, during cutting or grinding.
2. Respiratory Protection: NIOSH approved respirator for dust if above TLV during cutting or grinding.
3. Eye Protection: Dust goggles or safety glasses during cutting or grinding.
4. Gloves: Light weight or work gloves may help reduce skin irritation.
5. Other Clothing and Equipment: Coveralls or work clothes to protect street clothes from dust.
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.
7. Other Handling and Storage Requirements: Store in dry area.
8. Protective Measures during Maintenance of Contaminated Equipment: N/A