

# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** GFRP Bar  
**Manufacturer:** Hughes Brothers Inc.  
210 North 13<sup>th</sup> Street  
Seward, NE  
**General Phone Number:** 1-402-643-2991  
**Emergency Phone Number:** CHEMTREC: 1-800-424-9300  
**SDS Creation Date:** Oct. 30, 2015



## Section 2: Hazard(s) Identification



**GHS Pictograms:**

**Signal Word:** **Warning**

**GHS Class:** Skin irritation Category 2  
Eye irritation Category 2A

**Hazard Statements:** **Causes skin irritation**  
**Causes serious eye irritation**

**Precautionary Statements:**

**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wear protective gloves.  
Wear eye protection/ face protection

**Response:** Wash thoroughly after handling  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do. Continue rinsing.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a poison center/doctor if you feel unwell.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
Remove & wash contaminated clothing before reuse.

**Disposal:** Dispose of contents/container in accordance with local/state/federal regulations.

## Section 3: Composition Information on Ingredients

### Substances

Synonyms: Glass Fiber Reinforced Polymer Bar  
Formula: Continuous Glass Fiber- 73% ; Vinylester or Polyester Resin - 27%  
Weight %: 100%

### Hazardous component

Component:	Classification:
Fibrous Glass	Skin Irrit. 2, H315; Eye Irrit. 2A, H319;
Vinylester/Polyester Resin	Skin Irrit. 2, H315; Eye Irrit. 2B, H320

# SAFETY DATA SHEET

## Section 4: First Aid Measures

- Eye Contact:** Do NOT rub eyes. Immediately rinse opened eye(s) for at least 15 minutes under running water, lifting upper and lower lids occasionally. If symptoms persist, consult a physician.
- Skin Contact:** Wash immediately with water and soap. Use a wash cloth to help remove fibers. To avoid further irritation, do not rub or scratch affected areas. If skin irritation persists, get medical attention. Never use compressed air to remove fibers from skin.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
- Ingestion:** May cause short-term mechanical irritation of the stomach and intestines. If swallowed and symptoms occur, consult a doctor.
- General Advice:** Respiratory or skin conditions that are aggravated by mechanical irritants may be at an increased risk for worsening from exposure to this product.

## Section 5: Fire-Fighting Measures

- Flash Point:** N/A
- Auto Ignition Temperature:** N/A
- Flammable Limits in Air:** N/A
- Extinguishing Media:** Use fire-extinguishing media appropriate for surrounding materials.
- Fire Fighting Instructions:** Use standard firefighting procedures & consider the hazards of other involved materials. Firefighters should wear self-contained breathing apparatus (SCBA). Burning rod will create an acrid heavy black smoke and odor that is extremely offensive.
- Specific Hazards:** Primary combustion products are carbon monoxide, carbon dioxide, and water. Other undetermined compounds could be released in small quantities.

## Section 6: Accidental Release Measures

Dispose of the collected material according to regulations. This material is non-hazardous in water. This product is not considered a hazardous waste under federal RCRA regulations.

## Section 7: Handling & Storage

- Handling:** Avoid contact with skin and eyes. Avoid formation of dusts. Provide appropriate exhaust ventilation at places where dust is formed. Wear gloves where possible to protect hands from rough, unfinished surfaces. Use ordinary dust mask protection (N95) for the nose and mouth to prevent inhalation exposure during cutting of product.
- Storage:** Do not store GFRP bars directly on ground. Place timber pallets under bars to keep them free from dirt & mud and to provide easy handling.  
Store FRP Bars under covers to avoid direct sunlight & chemical substances.

# SAFETY DATA SHEET

## Section 8: Exposure Controls/ Personal Protection

### General Product Information:

As manufactured, continuous filament glass fibers are not respirable. Continuous filament glass products that are chopped, crushed or severely processed during use or fabrication may contain a very small amount of respirable particulate.

### Personal Protective Equipment

**Eye & Face Protection:** Safety glasses w/ side shields or goggles when mechanically altering product (cutting, crushing, grinding, milling or other similar dust generating process).

**Skin Protection:** Handle with gloves to reduce irritation from nuisance dust, slivers or abrasion.

**Respiratory Protection:** Respiratory protection is not required unless handling of material or mechanically altering product (cutting, crushing, grinding, milling or other similar dust generating process) produces nuisance airborne concentrations. Should airborne concentrations occur during cutting/sawing, a properly fitted N95 disposable type respirator for particulates is recommended.

**Ventilation:** Local exhaust ventilation should be provided to prevent nuisance dust.

## Section 9: Physical and Chemical Properties

**Chemical Formula:** N/A

**pH:** N/A

**Appearance/Odor:** Bar may be sand coated round rod w/ no discernable odor.

**Specific Gravity:** 2.20 (H<sub>2</sub>O=1)

**Vapor Pressure:** N/A

**Boiling Point:** N/A

**Melting/Freezing Point:** Melting point- 1472° F (800° C)

**Decomposition Temperature:** N/A

**Vapor Density:** N/A

**Solubility in Water:** N/A

**Volatiles, Percent by Volume:** N/A

**Bulk density:** N/A

## Section 10: Stability and Reactivity

**Reactivity:** No data available

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** Exposure to open flames.

**Incompatibility w/ Other Materials:** None expected.

**Hazardous Decomposition Products:** None

# SAFETY DATA SHEET

## Section 11: Toxicological Information

**Acute and Chronic Toxicity:** Dusts and fibers may cause mechanical irritation to eyes and skin. Ingestion, though unlikely, may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation and sneezing. Higher exposures may cause difficulty breathing, congestion and chest tightness.

**Carcinogenicity:** The international Agency for Research on Cancer (IARC) in June, 1987, categorized fiber glass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiber glass continuous filament as a possible, probable or confirmed cancer causing material. The American Conference of Governmental Industrial Hygienists (ACGIH) A4 Classification, not classifiable as a human carcinogen, for respirable continuous filament glass fibers is based on inadequate data in terms of its carcinogenicity in humans and/or animals. For respirable continuous filament glass fibers, a TLV-TWA of 1 fiber/cc was adopted to protect workers against mechanical irritation. The TLV-TWA of 5 mg/m<sup>3</sup> was adopted for non-respirable glass filament fiber, measured as inhalable dust, to prevent mechanical irritation of the upper respiratory tract.

## Section 12: Ecological Information

Toxicity: No data available  
Persistence & Degradability: No data available  
Bioaccumulation: No data available  
Mobility in soil: No data available  
Other adverse effects: No data available  
This material is not expected to cause harm to animals, plants or fish.

## Section 13: Disposal Considerations

Dispose of as a solid waste in accordance with local, state, and federal regulations. No EPA Waste Numbers are applicable for this product's components as it is not considered a hazardous waste under federal RCRA regulations.

## Section 14: Transport Information

**DOT SHIPPING DESCRIPTION (49 CFR 172.101)** – Non-Regulated Material

**Proper shipping name-** Not regulated for transport

**UN/NA #-** None

**Packing Group-**None

**Required Label(s)-** None

**Additional Information-** None

## Section 15: Regulatory Information

**General Product Information:** No additional information available.

**Component analysis:** None of this products components are list under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4)

**Acute Health Hazard:** No

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden Release of Pressure Hazard:** No

**Reactive Hazard:** No

**Clean Air Act:** None of the product's components are listed on the Clean Air Act- 1990 Hazardous Air Pollutants List.

# SAFETY DATA SHEET

## Section 16: Other Information

### NFPA Rating

Health Hazard: 1

Flammability: 0

Physical Hazard: 0

### HMIS Rating

Health Hazard: 1

Fire Hazard: 0

Physical Hazard: 0

### Further Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Hughes Brothers, Inc. shall not be held liable or any damage resulting from handling or from contact with the above product.

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