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## SAFETY DATA SHEET

### Section 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

#### 1.1 Product Identifier: Fiber Glass Continuous Filament

**1.2 Synonyms:** Texturized Fiber Glass Yarns and Rovings, Plied Fiber Glass Yarns, Beamed yarns and Chopped Fiber Glass, "E" Glass Products

#### 1.3 Recommended use of product and restrictions on use

**Recommended Use:** Various industrial.

**Uses advised against:** Consumer.

#### 1.3 Details of the supplier of the safety data sheet:

B&W Fiber Glass, Inc.  
100 Glass Way  
Shelby, NC 28152  
USA  
Tel: +1 (704) 434-8005  
Fax: +1 (704) 434-9794  
Email: [sales@bwfiberglass.com](mailto:sales@bwfiberglass.com)

**1.4 Emergency telephone number:** 704-434-8005

### SECTION 2: HAZARDS IDENTIFICATION

#### **Emergency Overview:** Warning!

Fiberglass may cause mechanical irritation to the skin, eye, and upper respiratory tract. Use only with adequate ventilation. Wash thoroughly after handling.

#### **Potential acute health effects**

Primary exposure routes are skin contact, eye contact, inhalation

#### **2.1 Eye contact**

Contact with fibers and dusts may produce temporary irritation.

#### **2.2 Skin Contact**

Contact with fibers and dusts may produce temporary irritation.

#### **2.3 Inhalation**

May cause transient irritation of upper respiratory tract. Effects may include coughing, nasal congestion or sore throat.

#### **2.4 Ingestion:**

Not a normal route of exposure. Ingestion may cause irritation and illness of the gastrointestinal tract.

**CARCINOGEN LISTINGS:** IARC has determined there is inadequate evidence for the carcinogenicity of glass filaments in humans and experimental animals. (IARC Class – 3)

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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**Substance:** Article

Name	CAS No.	Percentage by Weight
Glass,Oxide,chemicals/Amorphous fiber	65997-17-3	>95%
Binder/Sizing	Not Available	<5%

At this time there are no additional ingredients present that are classified as hazardous to health or environment and as such require reporting in this section.

## SECTION 4: FIRST-AID MEASURES

### 4.1 Necessary first aid procedures:

**Contact with the eyes:** In case of contact immediately wash eyes with large amounts of water for 15 minutes. If irritation persists, seek medical attention.

**Inhalation:** In case of overexposure immediately move person from contaminated area to fresh air. Seek medical attention if breathing difficulty persists.

**Contact with the skin:** Wash with mild soap and running water. Use a washcloth to aid in removing fibers. Do not rub nor scratch irritated areas. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth with water. Seek medical attention if symptoms such as nausea, vomiting, abdominal pain or diarrhea develop.

### 4.2 Principal symptoms and effects:

**Contact with eyes:** Discomfort, redness, and tear generation

**Inhalation:** Coughing, sneezing and or shortness of breath.

**Contact with the skin:** Itching, irritation and possible.

**Ingestion:** Irritation of mouth, possible nausea.

### 4.3 Indication of any immediate medical attention and special treatment needed:

**Note to physician:** Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media

Fiberglass will not burn. Use an extinguisher suitable for the surrounding fire.

Not suitable: None known

### 5.2 Hazardous combustion products



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Fiberglass will not burn, however smoking of the product may occur at approximately 400 to 500 degrees F (200 – 260 degrees C) due to decomposition of the surface binder. The surface binder may decompose in a fire situation and release carbon monoxide, carbon dioxide and water.

### 5.3 Special exposure hazards

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### 5.3 Special fire fighting equipment and precautions

Fiberglass itself will not support combustion, but in the case of a sustained fire, proper protection with self-contained breathing apparatus must be worn.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions:** No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering area.

**6.2 Environmental precautions:** Fiberglass is generally considered to be an inert solid waste. No special precautions are needed in case of a release or spill.

### 6.3 Methods and material for containment and cleanup

**Spills:** Vacuum or sweep up material and place in a well-designated, waste container. Dispose of via licensed waste disposal contractor.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Handling:

Wear appropriate protective equipment. (See Section 8). Eating drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not swallow. Do not get in eyes, or on skin or clothing.

### 7.2 Storage:

Store in a clean dry area in accordance with local regulations.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Result	ACGIH	OSHA
Synthetic Vitreous Fibers	TWA	1 f/cc Respirable 5 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> Total Dust 5mg/m <sup>3</sup> Respirable (Particulates not otherwise)

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		(Inhalable)	classified)
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### 8.1 Exposure controls

Consult local authorities for acceptable exposure limits

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

### 8.2 Appropriate engineering controls

Good ventilation should be sufficient to control worker exposure to airborne contaminants.

### 8.3 Hygiene measures

Good personal hygiene and the use of barrier creams, caps, protective gloves, cotton coveralls or long sleeve loose fitting clothing will maximize comfort. Appropriate techniques should be used to remove potentially contaminated clothing. Work clothing should be laundered separately from other clothing before reuse.

**Eye protection:** Eye protection not normally necessary. Specific process uses may pose exposure risks and require safety glasses.

**Hand protection:** Gloves not normally needed unless specific handling conditions are encountered.

**Skin Protection:** Wear clean body covering clothing.

**Respiratory protection:** Respiratory protection is not normally necessary. If dust is generated or ventilation inadequate, select and use a respirator that will protect from the exposure.

**Environmental exposure limits:** Emissions from ventilation or work process equipment should be checked to ensure compliance with requirements of environmental protection legislation.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on essential physical and chemical properties

**Physical state:** Solid

**Color:** White to yellowish.

**Odor:** No odor.

**Solubility in water:** Insoluble.

**pH:** Not available.

**Melting/freezing point:** >800°C (>1472°F)



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**Boiling point/condensation point:** Not available.  
**Flash point:** Non available. [The product does not support combustion.]  
**Evaporation rate:** Not available.  
**Flammability:** Not available.  
**Upper /lower flammability or explosive limits:** Not available.  
**Specific gravity:** 2.500 to 2.700  
**Partition coefficient n-octanol/water:** Not available.  
**Auto ignition temperature:** Not available.  
**Decomposition Temperature:** Not available.  
**Viscosity:** Not available.  
**Volatility:** Not available.

### SECTION 10: STABILITY AND REACTIVITY

**10.1 Stability:** The product is stable.

**10.2 Conditions to avoid:** Exposure to high temperatures may produce hazardous decomposition products.

**10.3 Materials to avoid:** None known.

**10.4 Hazardous decomposition products:** Surface binders may decompose in a fire situation and release carbon monoxide, carbon dioxide, and water.

**10.5 Possibility of hazardous reactions:** Under conditions of normal storage and use, hazardous reactions will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Toxicological information

##### Acute toxicity

**Conclusion/Results:** Not available.

##### Acute toxicity

**Conclusion/Results :** There are no known health effects from the long term use or contact with nonrespirable continuous filament fibers, which are the type of fiber as supplied in these products.

##### Irritation/Corrosion

**Skin:** Non available.

**Eyes:** Not Available.

**Eyes:** Not Available.

**Respiratory:** Not available.



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### Sensitization

**Skin:** Non available.

**Respiratory:** Not available.

### Carcinogenicity:

The American Conference of Governmental Industrial Hygienists (ACGIH) has classified continuous filament glass fibers as **not** classifiable as human carcinogen. The ACGIH has established a TLV (Threshold Limit Value or recommended exposure limit) for glass fiber of 1 fiber per cubic centimeter of air for respirable fibers and 5 mg per cubic meter of air for inhalable glass fiber dust. These levels were established to prevent mechanical irritation of the upper airways. IARC, NTP (US National Toxicology Program) and OSHA (US Occupational Safety and Health Administration) **do not** list continuous filament glass fibers as a carcinogen.

## SECTION 12: ECOLOGICAL INFORMATION

### Environmental effects:

There are no known effects or hazards

### 12.1 Toxicity

**Conclusion/Results:** Not available.

### 12.2 Degradation persistence

**Conclusion/Results:** Not available.

### 12.3 Bioaccumulation potential, n-octanol water coefficient:

**Conclusion/Results:** Not available.

### 12.4 Mobility in soil to groundwater

**Conclusion/Results:** Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste disposal:

The disposal of this material must be conducted in compliance with Federal, state and local regulations. Only licensed waste disposal contractors should handle this material.

## SECTION 14: TRANSPORTATION INFORMATION

**14.1 UN Number:** Not available

**14.2 Proper Shipping Name:** Not available

**14.3 Transport Hazard Class:** Not available

**14.4 Packing group number:** Not available

**14.5 Environmental hazards, marine pollutant YES/NO:** No

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## SECTION 15: REGULATORY INFORMATION

### 15.1 Regulatory information:

#### USA Inventory

TOSCA: All components are listed or exempted

#### Canada:

WHMIS: None Identified

#### Mexico Classification:

Flammability: 0 Health: 1 Reactivity: 0

## SECTION 16: OTHER INFORMATION

#### HMIS Health rating:

Health: 1

Flammability: 1

Physical Hazards: 0

Personal Protection: B

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#### Disclaimer »

*The information provided in this Safety data Sheet is correct to the best of our knowledge, information and belief at the time of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not intended to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*

End of Safety Data Sheet