



## SAFETY DATA SHEET

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product Name:** Continuous Glass Fiber Products

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use(s):** Fire protection

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

**Manufacturer:** Jushi Group Co., Ltd  
669 Wenhua Rd. (S)  
Tongxiang Development Zone, Zhejiang 314500 China  
USA - info@jushiusa.com      Canada info@jushicanada.com

**Email:**

#### 1.4 Emergency telephone number

**Telephone:** Canada - Company: 905-477-7628  
USA - Company: 833-855-8744

**Emergency Contact:**

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification for mixture:

Serious eye irritation - Category 2B  
Acute Toxicity Inhalation - Category 5  
Acute Toxicity Oral - Category 5

#### 2.2 Label elements

##### Pictograms:

No available data for this section.

##### Signal Words:

Warning

##### Hazard Statements:

H303: May be harmful if swallowed.  
H320: Causes eye irritation.  
H333: May be harmful if inhaled.

##### Precautionary Statements:

###### Prevention

P264: Wash exposed area thoroughly after handling.

###### Response

P304+P312: IF INHALED: Call a POISON CENTER, doctor if you feel unwell  
P337+P313: If eye irritation persists: Get medical attention / advice.  
P337: If eye irritation persists seek medical attention.  
P305+P338: IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.  
P305+P351: IF IN EYES: Rinse cautiously with water for several minutes.

#### 2.3 Other hazards

No available data for this section.

## Section 3. Composition/information on ingredients

### 3.1 Substances

No available data for this section.

### 3.2 Mixtures

Identifiers	Ingredients	Percentage	Classification
65997-17-3	Texturized Roving	99.2% - 99.9%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Flame Retardant Fiber Glass	98.26% - 99.9%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Dry Chopped Strands	98.26% - 99.9%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Woven Roving	98.8% - 99.86%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Direct Roving	98.7% - 99.86%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Milled Fiber	98.16% - 99.8%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Marketable Cake	99.2% - 99.7%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Assembled Roving	98% - 99.5%	
65997-17-3	Glass Filament Yam	98.6% - 99.2%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Power Chopped Strand Mat	92.45% - 98.35%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Emulsion Chopped Strand Mat	93.05% - 96.65%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Wet Chopped Strands	87.8% - 92%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350
65997-17-3	Cut Strands	85% - 92%	Acute Tox. Inhal. 3, Acute Tox. Or. 3, Acute Tox. Derm. 3, Skin. Sens. 1, Skin. Sens. 1B, Muta. 2, Carc. 1B, H301, H311, H317, H331, H341, H350

## Section 4. First-Aid Measures

### 4.1 Description of First Aid Measures

**In the event of splashes or contact with eyes**

Wash eyes with plenty of water. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

**In the event of splashes or contact with skin**

Wash contaminated areas thoroughly with water. If redness or other symptoms persist, seek medical advice / attention. Only use cold water, as hot water will make the skin pores open to allow glass fiber to penetrate deeper.

**In the event of ingestion**

DO NOT INDUCE VOMITING. Product has no known ingestion hazards. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated. If after ingestion you feel unwell, seek medical advice.

**In the event of inhalation**

Remove person to fresh air and keep at rest in a position comfortable for breathing. If after inhalation you feel unwell, seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed**

Treat symptomatically.

**4.3 Indication of any immediate medical attention and special treatment needed**

No available data for this section.

**Section 5. Firefighting Measures****5.1 Extinguishing media****Suitable Extinguishing Media**

**The suggested appropriate media:** Carbon dioxide. Dry chemical. Foam. Water spray.

The product is not flammable or combustible.

**Unsuitable Extinguishing Media**

No available data for this section.

**5.2 Special hazards arising from the substance or mixture****Specific Hazards Arising from Combustion of Products**

No available data for this section.

**Combustion Products**

Oxides of carbon (CO<sub>x</sub>). Carbon dioxide (CO<sub>2</sub>). Hydrogen.

**5.3 Advice for firefighters****Protective Measures for Fire-Fighting**

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

**Special Protective Actions for Fire-Fighters**

No available data for this section.

**Other Information for Fire Fighters**

Other undetermined compounds and fiber glass dusts can be released in the case of fire.

**Section 6. Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective goggles to prevent contact with eyes.

**6.2 Environmental precautions**

Product not qualified as dangerous for the environment.

**6.3 Methods and material for containment and cleaning up**

Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. Avoid dry sweeping. Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and residual spilled material. After vacuum cleaning, flush away with water. Shovel the major part of spilled material into a container.

## 6.4 Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### 7.1 Precautions for safe handling

No available data for this section.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Conditions for Safe Storage

Try to prevent the packing material from be damaged and keep the product inside the packing material to minimize the generation of dusts.

#### Suitable Packaging

No particular packaging specified.

#### Incompatible Materials

Not specified.

### 7.3 Specific end use(s)

No available data for this section.

## Section 8. Exposure Controls / Personal Protection

### 8.1 Control parameters

#### Control Parameters / Limits for Product

Production areas are closed off and a required relative humidity is maintained.

#### ACGIH

##### REL

ppm Respirable Fiber 1 Fiber/ml

10 mg/m<sup>3</sup> Total dust

3 mg/m<sup>3</sup> Respirable dust

#### Control Parameters / Limits for Component

Fiber Glass Wool

#### ACGIH

##### TWA

3 mg/m<sup>3</sup> (8 hours) Respirable fraction

10 ppm (8 hours)

#### OSHA

##### TWA

5 mg/m<sup>3</sup> (8 hours) Respirable fraction

15 mg/m<sup>3</sup> (8 hours) Total dust

### 8.2 Exposure controls

#### Engineering Measures

Provide adequate general and local exhaust ventilation. Respect the occupational health and safety standards.

#### Respiratory Protection

In the case of mechanical work (such as grinding and sanding) which dust is generated, wear protective dust mask. Respiratory protection is required if the concentrations exceed the TLV.

#### Eye/Face Protection

Wear safety goggles.

#### Skin and Body Protection

Normal loose working clothing (long-sleeved shirts and long pants) is recommended. Skin irritation occurs primarily at the contact areas such as around the neck and waist.

#### Hand Protection

Wear impermeable gloves. Skin irritation occurs primarily at the contact areas such as wrists and between the fingers.

**Hygiene Measures**

Keep away from food or drink. Use in accordance with good hygiene and safety practice. Wash Hands thoroughly after handling.

**8.3 Environmental exposure controls**

No available data for this section.

**Section 9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Physical State</b>	Solid
<b>Appearance</b>	White
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Melting point</b>	Greater than 800°C / 1,472°F Softening Point
<b>Boiling point</b>	Not applicable
<b>Flash Point</b>	Not available
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	Not available
<b>Flammability limit</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not applicable
<b>Relative density</b>	2.6 multiplier w/r/t water
<b>Solubility</b>	Insoluble Cold and hot water
<b>Solubility in other solvents</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not applicable
<b>Freezing point</b>	Not available
<b>Content of volatiles</b>	52 %wt

**9.2 Other Information**

No available data for this section.

**Section 10. Chemical Stability & Reactivity Information****10.1 Reactivity**

**Reactivity:** The product is known to be non-reactive in ambient conditions.

**10.2 Chemical Stability**

Stable under normal conditions of use.

**10.3 Possibility of Hazardous Reactions**

Hazardous polymerization will not occur under normal conditions.

**10.4 Conditions to Avoid**

No available data for this section.

**10.5 Incompatible Materials**

No available data for this section.

**10.6 Hazardous Decomposition Products**

No available data for this section.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Toxicological Information for Product

No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, OSHA, or the NTP.

<b>LD50 Oral</b>	265292 mg/kg ATE
<b>LD50 Dermal</b>	159175.5 mg/kg ATE

#### Toxicological Information for Component

Formaldehyde

<b>LC50 Inhalation - Not Specified</b>	250 to 478 ppm (4 hours).
<b>LD50 Oral</b>	100 mg/kg.

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**Irritation/Corrosion Information for Product**

No available data for this section.

**Irritation/Corrosion Information for Component**

No available data for this section.

## Section 12. Ecological Information

**12.1 Toxicity****Ecotoxicity Values for Product**

**Ecotoxicity:** No ecotoxicity values specified for product.

**Ecotoxicity Values for Component**

No available data for this section.

**12.2 Persistence and degradability**

No available data for this section.

**12.3 Bioaccumulative potential****Bioaccumulative Potential for Product**

No available data for this section.

**Bioaccumulative Potential for Component**

No available data for this section.

**12.4 Mobility in soil**

No available data for this section.

**12.5 Results of PBT and vPvB assessment**

No available data for this section.

**12.6 Other adverse effects**

No available data for this section.

## Section 13. Disposal Considerations

**13.1 Waste treatment methods****Waste Disposal Regulation(s) / Operation**

**RCRA Hazard Class:** Non-Hazardous.

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment.

**Waste Treatment Methods**

No available data for this section.

## Section 14. Transportation Information

	<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>	<b>DOT</b>
<b>14.1 UN number</b>	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
<b>14.2 UN proper shipping name</b>	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
<b>14.3 Transport hazard class(es)</b>	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.

	<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>	<b>DOT</b>
<b>14.4 Packing group</b>	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
<b>14.5 Environmental hazards</b>	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
<b>14.6 Special precautions for user</b>	No available data for this section.			
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	No available data for this section.			
<b>14.8 Other</b>	This product is not regulated for transport			

## Section 15. Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Safety, Health and Environmental Regulations for Product

**Canada DSL:** Listed.

**TSCA:** Listed.

#### Safety, Health and Environmental Regulations for Component

No available data for this section.

### 15.2 Chemical safety assessment

No available data for this section.

## Section 16. Other Information

### 16.1 Other Information

No available data for this section.

### 16.2 Disclaimer

No available data for this section.

### 16.3 Glossary

No available data for this section.