



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 USA Inc.
4982 4th Street
Irwindale California 91706
United States

Email: info@jushiusa.com

Url: http://jushiusa.com

Telephone:

1.4 Emergency telephone number

Emergency Contact: **Company:** 905-477-7628
Company: 626-960-2038

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_x). Carbon dioxide (CO₂). 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/m³ Total dust

3 mg/m³ Respirable dust

Control Parameters / Limits for Component

Fiber Glass Wool

ACGIH

TWA

3 mg/m³ (8 hours) Respirable fraction

10 ppm (8 hours)

OSHA

TWA

5 mg/m³ (8 hours) Respirable fraction

15 mg/m³ (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**

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

LD50 Oral	265292 mg/kg ATE
LD50 Dermal	159175.5 mg/kg ATE

Toxicological Information for Component

Formaldehyde

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

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LD50 Oral	100 mg/kg.

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

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

	ADR	IMDG	IATA	DOT
14.4 Packing group	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
14.5 Environmental hazards	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
14.6 Special precautions for user	No available data for this section.			
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
14.8 Other	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.