

1. Product Identification

Product name	Microglass Milled Fiber Glass
SDS Number	905MILLGLASS-16
Product type	Filler for the plastics industry
Recommended use of the chemical and restrictions on use	Filler
Restrictions	None known.
Manufacturer/Supplier information	
Company name	SYSTEM THREE RESINS, INC.
Address	8517 Commerce Place Dr NE Lacey, WA 98516 United States
Telephone	1-253-333-8118
Website	www.systemthree.com
Email	support@systemthree.com
Emergency Contact	CHEMTEL (U.S. and CANADA) 1-800-704-9215 CHEMTEL (Outside the U.S.) – Call Collect accepted +1-360-256-7365

2. Hazard(s) Identification

Classification of substance or mixture/Signal Word	WARNING Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation – Category 2B Specific Target Organ Toxicity – Single Exposure – Category 3
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GHS Label Elements
Hazard Pictograms



Hazard Statements/Classification of substance or mixture	H315 Causes skin irritation. H320 Causes eye irritation. H335 May cause respiratory irritation.
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Precautionary statements

Precautionary Statements
Prevention

P261	Avoid breathing dust.
P264	Wash hands and face thoroughly after handling.
P271	Use only outdoors or in a well ventilated area.
P280	Wear protective clothing and eye protection.

Response

P304+P340+P312	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor if you feel unwell.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

	P308+P313	If exposed or concerned: Get medical advise/attention.
	P332+P337+P313	If skin or eye irritation occurs: Get medical advise/attention.
	P362	Take off contaminated clothing and wash before reuse.
	P403+P233	Store in well-ventilated place. Keep container tightly closed.
	P501	Dispose of contents in accordance with applicable regulations.
Storage		Not applicable.
Disposal		Not applicable.
Hazards not otherwise classified (HNOC)		None known.

3. Composition/Information On Ingredients

Chemical Name	CAS Number	Content (%)
Man Made Glass Fiber	65997-17-3	>99.9%

Fibrous glass (composition consisting principally of oxides of silicon, calcium, aluminum, magnesium and boron fused in an amorphous vitreous state).

4. First-Aid Measures

Skin contact	Wash with soap and cold water. Never use compressed air to remove fibers from the skin. If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin.
Eye contact	Immediately flush eyes with plenty of running water for at least 15 minutes. If irritation persists get medical attention.
Ingestion	Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention if irritation persists.
Inhalation	If inhaled, move the affected person to fresh air. If irritation persists get medical attention.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	None known.
Specific treatments	Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media	Carbon dioxide, dry chemical, foam, water fog.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Primary combustion products are carbon monoxide, hydrogen, carbon dioxide, ammonia and water. Other undetermined compounds could be released in small quantities.
Hazardous decomposition products	None known.
Special protective actions for fire-fighters	None known.
Special protective equipment for fire-fighters	Use self-contained breathing apparatus (SCBA) and full protective equipment.
Further information	Not applicable.

6. Accidental Release Measures

Personal precautions	See Section 8.
Emergency procedures	None known.
Methods and materials for containment/cleanup	This material will settle out of air. If concentrated on land, it can then be scooped up for disposal as non-hazardous waste. This material will sink and disperse along the bottom of waterways and ponds. It cannot be easily removed after it is waterborne; however, the material is non-hazardous in water.
Environmental precautions	None.

7. Handling and Storage

Precautions for safe handling	Keep product in its packaging, as long as practicable to minimize potential dust generation. Keep work areas clean. Avoid unnecessary handling of scrap materials. Wear PPE as described in Section 8.
Precautions/Recommendations for safe/proper storage	No special procedures.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits	If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.
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Components	CAS No.	Agency	Limit Type	Additional Comments
Non Respirable fiber and particulate	65997-17-3	OSHA	TWA concentration: TWA: 15mg/Cubic Meter	
		ACGIH TLV	5.0mg/Cubic Meter	
Respirable particulate	65997-17-3	OSHA	TWA: 5mg/Cubic Meter	
		ACGIH TLV	None Established	

Appropriate engineering controls	There is a possibility of high particulate exposure levels when working with this product. At a minimum, local exhaust and/or general dilution ventilation should be provided as necessary to maintain exposures below regulatory and recommended limits. Dust collection systems must be used in transferring operations, cutting or machining or other dust generating processes because of anticipated dust levels. Vacuum or wet-cleanup methods should be used.
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Environmental exposure controls	Not available.
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Individual protection measures/Personal protective equipment

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Safety glasses with side shields or goggles.

Hand protection

Use gloves when handling this product to reduce skin contact as appropriate.

Skin protection

Use body protection appropriate for the task (e.g. lab coat, coveralls).

Respiratory protection

A properly fitted NIOSH approved N 95 series disposable dust respirator such as the 3M model 8210 (model 8271 in high humidity environments) or equivalent must be worn when using this material. Because of the possibility of high particulate levels occurring with this product, it may be necessary to use a half face respirator with P100 or HEPA filters during operations such as maintenance, clean up, or transferring. This decision should be made on a

case-by-case basis depending on total exposures. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

Special instructions for protection and hygiene

Not available.

9. Physical and Chemical Properties

Chemical family	Glass
Appearance	White to grey powder
Physical State	Solid
Form	Solid
Color	White to grey
Odor	None
Density (Specific Gravity)	2.55 – 2.58
Viscosity	Not Applicable
pH	Not Applicable
Melting point/freezing point	>800C
Initial boiling point and boiling range	Not Applicable
Flash point	Not Applicable
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not Applicable
Upper/lower flammability limit (by volume)	Not Applicable
Material VOC	<.04%
Vapor density	Not Applicable
Relative density	Not Applicable
Solubility in water	Insoluble
Partition coefficient: n-octanol/water	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable

10. Stability and Reactivity

Reactivity	This is a stable material.
Chemical Stability	Stable under conditions of normal use and storage.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	None, except in fire. See section 5 for combustion products statement.
Other hazards	None known.

11. Toxicological Information

Acute Health Hazard

Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. People with pre-existing respiratory conditions, may experience difficulty breathing, congestion and chest tightness.

Irritation/Corrosion

Data not available.

Sensitization

Not classified.

Mutagenicity

Data not available.

Carcinogenicity

The International Agency for Research on Cancer (IARC) in June 1987, categorized fiberglass 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 fiberglass continuous filament as a possible, probable, or confirmed cancer-causing material. This conclusion was confirmed by IARC in October 2001. 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/m³ was adopted for non-respirable glass filament fiber, measured as inhalable dust, to prevent mechanical irritation of the upper respiratory tract.

Reproductive Toxicity

Data not available.

Teratogenicity

Data not available.

Specific target organ toxicity (single exposure)

Data not available.

Specific target organ toxicity (repeated exposure)

Data not available.

Aspiration hazard

Data not available.

Potential acute health effects

Eye Contact

No data available.

Inhalation

No data available.

Skin Contact

No data available.

Ingestion

No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Eye Contact

No data available.

Inhalation

No data available.

Skin Contact

No data available.

Ingestion

No data available.

Delayed and immediate effects and also chronic effects from short and long term exposure

No data available.

Potential chronic health effects

General

There are no known chronic health effects connected with long term use or contact with these products. Products that are chopped, crushed or severely mechanically processed during manufacture or use may contain a very small amount of Respirable glass fiber-like fragments. Persistent Respirable glass

	fibers are suspected to cause cancer. NIOSH defines “Respirable fibers” as greater than 5 microns in length and less than 3 microns in diameter with an aspect ratio of $\geq 5:1$ (length-to-width ratio).
Carcinogenicity	No data available.
Mutagenicity	No data available.
Teratogenicity	No data available.
Developmental effects	No data available.
Fertility effects	No data available.
<u>Numerical measures of toxicity</u>	
<u>Acute toxicity estimates (ATEmix)</u>	No data available.

12. Ecological Information

<u>Ecotoxicity</u>	No data available.
<u>Persistence and degradability</u>	No data available.
<u>Bioaccumulative Potential</u>	No data available.
<u>Mobility in Soil</u>	No data available.
Soil/water partition coefficient (KOC)	No data available.
Other adverse effects	No data available.

13. Disposal Considerations

Waste from residues/ unused products	Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. No EPA Waste Numbers are applicable for this product’s components. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
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14. Transport Information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

International Transport Regulations

Regulatory information	UN/NA number	Proper Shipping Name	Classes/*PG	Additional Information
DOT		Not regulated		
TDG		Not regulated		
IMO/IMDG		Not regulated		
IATA		Not regulated		

*PG: Packing group

Special precautions for user:	Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
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15. Regulatory Information

UNITED STATES

U.S. Federal Regulations

United States – TSCA 12(b) – Chemical export notification: None Required.
United States – TSCA 5(a)2 – Final significant new use rules: Not Listed.
United States – TSCA 5(a)2 – Proposed significant new use rules: Not Listed.
United States – TSCA 5(e) – Substance consent order: Not listed.

Clean Air Act – Ozone Depleting Substances (ODS) None.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) None.

California Prop. 65 None

EPA SARA 302 Extremely Hazardous Substances Not available.

EPA SARA 302/304/311/312 Hazardous Chemicals Not available.

SARA 313 Not available.

Form R – Reporting requirements Not available.

CERCLA Hazardous substances Not available.

CANADA

Not available.

INTERNATIONAL REGULATIONS

Australia inventory (AICS): All components are listed or exempted.

DSL: All components are listed or exempted.

EINECS: All components are listed or exempted.

Korea inventory: All components are listed or exempted.

New Zealand: All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

TSCA: All components are listed or exempted.

16. Other Information, Including Date of Preparation or Last Revision

HMIS Rating

Health 0
Flammability 0
Physical Hazard 0

Date of Preparation May 7, 2020

Date of Last Revision

Revision # 1.0

More Information 1-253-333-8118

Prepared by System Three Resins Inc.

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