

# MATERIAL SAFETY DATA SHEET

## FIBERGLASS

### I. 24-HOUR EMERGENCY CONTACT INFORMATION

CHEM-TEL United States.....800-255-3924  
 International.....813-248-0585

### II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Component Identification	CASRN	OSHA PEL	ACGIH TLV	% (by weight)
Fiberglass	0065997-17-3	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (Respirable dust)	1 fiber / cc	96-100

Product Description.....FIBERGLASS

### III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point.....Not Applicable  
 Melting Point.....Not Applicable  
 Vapor Pressure.....Not Applicable  
 Vapor Density (Air = 1).....Not Applicable  
 Specific Gravity (Water = 1).....~2.5  
 Evaporation Rate (butyl acetate = 1).....Not Applicable  
 pH.....Not Applicable  
 Appearance and Odor.....White to Off-White, May have a Slight Odor  
 Odor Threshold.....Not Applicable

### IV. FIRE and EXPLOSION HAZARDS

Flash Point.....Not Applicable  
 Autoignition Temperature.....Not Applicable  
 LEL / UEL.....Not Applicable  
 Extinguishing Media.....Water, Foam, or Dry Chemical, or CO<sub>2</sub>  
 NFPA Ratings.....Health (1) – Flammability (0) – Reactivity (0)

Special Firefighting Procedures: In a sustained fire, a self-contained breathing apparatus should be worn to avoid breathing products of composition.

Fire and Explosion Hazards: None Known

### V. REACTIVITY DATA

Stability.....Stable  
 Hazardous Polymerization.....Will Not Occur  
 Conditions to Avoid.....Not Applicable  
 Incompatibilities.....Not Applicable  
 Hazardous Decomposition Products.....CO and CO<sub>2</sub>

**VI. HEALTH HAZARD DATA**

Route(s) of Entry: Inhalation.....Yes  
Skin.....Yes  
Ingestion.....Not Expected

Acute (Short-Term) Health Effects: Fiberglass is primarily a mechanical irritant. Inhalation of dusts and fibers may cause temporary irritation of the mouth, nose, and throat. Skin contact with dust and fibers may produce itching and temporary irritation. Eye contact with dust and fibers may produce temporary mechanical irritation.

Chronic (Long-Term) Health Effects: The long-term health effects of exposure are not known.

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.

Signs and Symptoms of Exposure: Skin contact with this product may yield redness and an itchy, sometimes bumpy, rash. Inhalation of fiberglass particles may cause sore throat, mouth, and nose.

Medical Conditions Generally Aggravated by Exposure: Existing skin or respiratory disorders may be aggravated upon exposure.

Emergency and First Aid Procedures:

- Inhalation:* First aid is normally not required. If symptoms develop, move individual to fresh air. If symptoms persist, seek medical attention.
- Skin Contact:* Gently wash all affected skin areas thoroughly with water soap and water. Do not rub or scratch affected areas as this will drive fibers deeper into the skin. Seek medical attention if symptoms or irritation persists.
- Eye Contact:* Flush eyes with water for at least 15 minutes. If irritation persists or burning sensation is evident, seek immediate medical attention.
- Ingestion:* First aid is normally not required. If symptoms develop, move individual to fresh air. If symptoms persist, seek medical attention.

HMIS Ratings.....Health (1) – Flammability (1) – Reactivity (0)

**VII. PRECAUTIONS FOR SAFE HANDLING and USE**

Steps to be Taken in Case Material is Released or Spill: Not applicable.

Waste Disposal Method: Disposal must be in accordance with applicable laws.

Precautions to be Taken in Handling and Storage: Minimize skin contact and breathing of dusts.

**VIII. CONTROL MEASURES**

Respiratory Protection: Such protection as to maintain employee exposures below prescribed limits.

Ventilation: A system of local and/or general exhaust is recommended when cutting or sanding.

Hand Protection: None specifically recommended, but may induce.

Eye Protection: ANSI-approved safety glasses with side shields when cutting or sanding.

Other: None specifically recommended.

**IX. REGULATORY INFORMATION (Not meant to be all-inclusive)**

Hazardous Materials Transportation Act (HMTA)

This material should be classified as follows:

Proper Shipping Name.....Non-Regulated  
 Hazard Class.....Not Applicable  
 Identification Number.....Not Applicable  
 Packaging Group.....Not Applicable  
 Label Required.....Not Applicable

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This produce contains the following CERCLA Section 102(a) hazardous substance(s) as listed in 40 CFR 302.4:

Identity	CASRN	% (by weight)	Reportable Quantity (RQ)
NONE			

Superfund Amendment and Reauthorization Act (SARA)

This product contains the following SARA Title III Section 302 extremely hazardous substance(s) as listed in 40 CFR Part 355:

Identity	CASRN	% (by weight)
NONE		

SARA Title III Section 311/312 hazardous categorization:

This product has been reviewed according to the EPA hazard categories promulgated under SARA Title III Section 311 and 312 and is considered to meet the following hazard categories:

- An immediate (acute) health hazard (when exposed to dusts)

This product contains the following SARA Title III Section 313 toxic substance(s) as listed in 40 CFR Part 372:

Identity	CASRN	% (by weight)
NONE		

Toxic Substances Control Act (TSCA)

All ingredients are on the TSCA inventory or are not required to be on the inventory.

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