



## Safety Data Sheet

### Section 1, Identification

Product identifier

Product Name: Fiberglass Textiles, Cloth, Tape, Twisted and Braided Rope

Chemical Name: Fibrous glass

Trade Name: MinGlas (Including style code 3310, 3315, 3320, 3325, 3330, 3340, 3350, 3355, 3360 etc.)

Manufacturer/Supplier's Name: Mineral Seal Corporation

Address (Number, Street, City, State and ZIP Code): 1832 S. Research Loop, Tucson, AZ 85710

Emergency Telephone Number: (520) 885- 8228

Telephone Number for Information: (520) 885 - 8228

Recommended use: Seal, Insulation and gasket.

Restrictions: Not established

### Section 2, Hazard(s) identification

Hazard classification (Physical, Health, OSHA): Not classified

Label elements: No

Hazard Symbol: None

Signal Word: None

Hazard statement: None

Precautionary statement (Prevention, Response, Storage, Disposal): None

Hazard statements: None

Hazards not otherwise classified: None

### Section 3, Composition/information on ingredients

Including chemical ingredients and trade secret claims

Ingredient	CAS Number	%(By Weight)
Fiberglass (SiO <sub>2</sub> , Amorphous) Continuous filament	65997-17-3	94-100%
Sizing	N/D	0-2%

### Section 4, First-aid measures

First-aid measures:

#### RESPIRATORY TRACT IRRITATION:

Move the person to a dust free location. Get medical attention if the irritation continues.

#### EYE IRRITATION:

Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

#### SKIN IRRITATION:

Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid more irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into skin. Seek medical attention if irritation persists.

#### GASTROINTESTINAL IRRITATION:

Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur.

Most Important symptoms and effects, both acute and delayed: None

Indication of any immediate medical attention and special treatment required: None

Other possible effects: None

## Section 5, Fire-fighting measures

Flash Point and Method: None

Flammability Limits (%): None.

Auto Ignition Temperature: None

Extinguishing Media: Water, foam, CO2 or dry chemical.

Unusual Fire and Explosion Hazards: None known.

Fire Fighting Instructions: Use self-contained breathing apparatus (SCBA) in a sustained fire.

Hazardous Combustion Products: None

## Section 6, Accidental release measures

Personal precautions, protective equipment and emergency procedures: None

Environmental precautions: Do not release the material to sewers or drains.

Methods and material for containment and cleaning up:

Land Spill: Scoop up material and put into suitable container for disposal as a non-hazardous waste.

Water Spill: This material will sink and disperse along the bottom of waterways and ponds. It cannot easily be removed after it is waterborne; however, the material is non-hazardous in water.

Air Release: This material will settle out of the air. If concentrated on land it can then be scooped up for disposal as a non-hazardous waste.

## Section 7, Handling and storage

Precautions for safe handling and storage: Normal handling and storing of fiberglass products does not require special precautions. Minimize accumulation of fiberglass debris and dusts in work area.

Conditions for safe storage including any incompatibilities: Store in original container in a dry area. Keep container closed when not in use. No known incompatible substances under normal conditions.

## Section 8, Exposure controls/personal protection

OSHA's Permissible Exposure Limits (PELs); Threshold Limit Values (TLVs); appropriate engineering controls; personal protective equipment (PPE).

Occupational exposure limits

Ingredient	C.A.S. No.	Agency	Type Limit	Additional Comments

Fiberglass(SiO <sub>2</sub> , Amorphous Continuous Filament)	65997-17-3	OSHA Z-1  OSHA Z-3 ACGIH	PEL 5mg/m <sup>3</sup> (Respirable) PEL 15mg/m <sup>3</sup> (Total dust) TWA 15 million particles TLV TWA 3mg/m <sup>3</sup> (Respirable) TLV TWA 10 mg/m <sup>3</sup> (Inhalable)	
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ACGIH : American Conference of Governmental Industrial Hygienists  
 AIHA : American Industrial Hygiene Association  
 CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 CEIL: Ceiling

Appropriate engineering controls: Local exhaust ventilation, dust collection, and other equipment designed to control dust under regulatory limits.

Personal protective equipment (PPE) and protection measures:

Eye/face protection: If dusts or debris are generated during processing, wear safety glasses with side shields or other forms of eye protection in compliance with appropriate OSHA standards.

Skin hand protection: Loose fitting long sleeved shirt that covers to the base of the neck, long pants and gloves. Skin irritation is known to occur chiefly at pressure points such as around neck, wrist, waist and between fingers.

Respiratory Protection: A properly fitted NIOSH/MSHA approved disposable dust respirator such as the 3M model 8210 (or 8710) or model 9900 (in high humidity environments) or equivalent should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the OSHA permissible limits; or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR1910.134.

Work and Hygienic Practices: Handle using good industrial hygiene and safety practices. Avoid unnecessary contact with dusts and fibers by using good local exhaust ventilation. Remove material from the skin and eyes after contact. Remove material from clothing using vacuum equipment (never use compressed air and always wash work clothes separately from other clothing. Wipe out the washer or sink to prevent loose glass fibers from getting on other clothing). Keep the work area clean of dusts and fibers made during fabrication by using vacuum equipment to clean up dusts and fibers (avoid sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air.). Have access to safety showers and eye wash stations.

## Section 9, Physical and chemical properties

Vapor Pressure (mm Hg @ 20oC): Not Applicable

pH: Not Applicable

Vapor Density (Air=1): Not Applicable

Specific Gravity (Water=1): 2.60

Boiling Point: Not Applicable

Solubility in Water: Insoluble

Viscosity: Not Applicable

Appearance: Solid

Physical State: Solid

Odor Type: None

Freezing Point: Not Applicable

Evaporation Rate (n-Butyl Acetate=1): Not Applicable

## **Section 10, Stability and reactivity**

General: Stable

Incompatible Materials and Conditions to Avoid: None

Hazardous Decomposition Products: Sizing or binders may decompose in a fire.

Hazardous Polymerization: Will not occur.

## **Section 11, Toxicological information**

Signs and Symptoms of Exposure:

Inhalation: No adverse effects under normal exposure conditions

Respiratory Tract Irritation: No adverse effects under normal exposure conditions

Skin Contact: Mild irritation, no other adverse effects under normal exposure conditions

Eye Contact: No adverse effects under normal exposure conditions

Ingestion: No adverse effects under normal exposure conditions

Toxicological data:

## Acute Toxicity

Skin corrosion/irritation: Mild irritation, no other adverse effects are expected.

Serious eye damage/eye irritation: No adverse effects are expected.

Respiratory sensitization: No Data.

Skin sensitization: Not a skin sensitizer

Central Nervous System (CNS) Depression: Very unlikely, no data available

Peripheral Neuropathy: Very unlikely, no data available

Reproductive/Developmental Toxicity: No data

Germ cell mutagenicity: No data

Carcinogenicity: The table below indicates whether or not each agency has listed each ingredient as a carcinogen:

Ingredient	ACGIH	IARC	NTP	OSHA
Fiberglass, Amorphous Continuous Filament	A4	3	No	No
Fiberglass, Amorphous Continuous Filament	LD50Oral(g/kg) Not Available	LD50 Dermal(g/kg) Not Available	LC50 Inhalation(ppm, 8 hrs.) Not Available	

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.

Single exposure may cause target organ effects: No data

Prolonged or repeated exposure may cause target organ effects: No data

Aspiration hazard: Not classified.

Chronic effects: Unlikely

## Section 12, Ecological information

Ecotoxicity: Not an environmental hazard

Persistence and degradability: Not degradable

Bioaccumulative potential: Not applicable

Mobility in soil: No data

Mobility in general: Not applicable

Other adverse effects: No known other adverse effects to the environment

### **Section 13, Disposal considerations**

Disposal instructions: Recover and recycle if practical, or approved landfill. This substance is not specifically listed as hazardous waste in federal regulations. For particular situation check federal, local, regional, state or provincial regulations to identify all applicable disposal requirements.

Hazardous waste code: Not established

Waste from residues / unused products: Follow the same disposal instructions for the product.

Contaminated packaging Dispose: Follow the disposal requirements for the packaging material.

DOT Shipping Names: Not regulated

### **Section 14, Transport information**

Hazard Class or Division: None

Secondary: None

Identification No.: None

Packing Group: None

Label(s) required (if not excepted): None

Special Provisions: None

Packaging Exceptions: None

Non-bulk Packaging: None

Bulk packaging: None

EPA Hazardous Substances: None

RQ: None

Quantity Limitations:

Passenger Aircraft: None      Cargo Aircraft: None

Marine Pollutants: None

Freight Description: None

Hazardous Material Shipping Description: None

Transportation of Dangerous Goods - TDG Canada

Proper Shipping Name: Not Regulated

TDG Hazard Classification: (Primary): None      (Secondary): None

IMO Classification: None

ICAO/IATA Classification: None

Product Identification Number: None

Packing Group: None  
Control Temperature: None  
Emergency Temperature: None  
Schedule XII Quantity Restriction: None  
Reportable Quantity for US Shipments: None  
IATA Packing Instructions: Passenger/Cargo: None  
Cargo Only: None  
Limited Quantity: None  
Maximum Net Quantity per Package: Passenger/Cargo: None  
Cargo Only: None  
Limited Quantity: None  
Special Provisions: None

### **Section 15, Regulatory information**

TSCA Status: Each ingredient is on the Inventory.  
NSR Status (Canada): Each ingredient is on the DSL.  
SARA Title III:  
Hazard Categories:  
Acute Health: Yes  
Chronic Health: No  
Fire Hazard: No  
Pressure Hazard: No  
Reactivity Hazard: No

Reportable Ingredients:  
Sec. 302/304: None  
Sec. 313: None

California Proposition 65: No ingredient is listed.

Clean Air Act: No ingredient is listed.

WHMIS (Canada):  
Status: Not Controlled  
WHMIS Classification(s): None



## Section 16, Other information

HMIS and NFPA Hazard Rating:

Category	HMIS	NFPA
Acute Health	1	1
Flammability	0	0
Reactivity	0	0

NFPA Unusual Hazards: None.

HMIS Personal Protection: To be supplied by user depending upon use.

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*This Safety Data Sheet was prepared in accordance with OSHA 1910.1200 Hazard Communication Standard (HCS 2012).*

DISCLAIMER: The information provided in this Safety Data Sheet (SDS) is believed to be correct as of the date of preparation and to the best of our knowledge. Mineral Seal Corporation (Minseal) makes no warranties. Users should use this information to make an independent determination of the safety of their workers and the environment. Users should provide the information in this form to their employees or contractors that are involved in handling of the substances. Users are responsible for determining whether the product is fit for a particular purpose and application.