

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

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

Chemical Name: Fibrous glass

Trade Name:

Manufacturer'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: 888-441-8228

Revision Date: 05/10/08

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components,	CAS Number	%(By Weight)	ACGIH (TLV) (8-hr TWA)	OSHA (PEL) (8hr TWA)
Fiberglass(SiO ₂) Continuous filament	65997-17-3	94-100%	10 mg/m ³ (inhalable)	5 mg/m ³ (respirable dust)
			3 mg/m ³ (respirable)	15 mg/m ³ (total dust 1 fiber/cc proposed)
Sizing	N/D	0-2%	No Data	No Data

3: HAZARDS IDENTIFICATION

Appearance and Odor: White/off-white colored solid with no odor.

Emergency Overview: No unusual conditions are expected from this product

Primary Route(s) of Exposure: Inhalation, skin, eye

Potential Health Effects: ACUTE (short term): Fiber glass continuous filament is a mechanical irritant.

Breathing dusts and fibers may cause short term irritation of the mouth, nose and throat. Skin contact with dust and fibers may cause itching and short term irritation. Eye contact with dust and fibers may cause short term mechanical irritation. Ingestion may cause short term mechanical irritation of the stomach and intestines.

CHRONIC (long term): There is no known health effects connected with long term use or contact with this product.

Medical Conditions Aggravated by Exposure: Long term breathing or skin conditions that are aggravated by mechanical irritants may be at a higher risk for worsening from use or contact with this product.

4: FIRST AID MEASURES

Inhalation: Move person to fresh air. Seek medical attention if irritation persists.

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

Skin Contact: 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.

Ingestion: 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.

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

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 can not 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

Storage Temperature: Not applicable.

Storage Pressure: Not applicable.

General: No special storage or handling procedures are required for this material.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient	OSHA PEL(8-hr TWA)	ACGIH TLV(8-hr TWA)
Fiber Glass	5 mg/m ³	10 mg/m ³ (inhalable)
Continuous Filament	(respirable dust) 15 mg/m ³ (total dust1 fiber/cc, proposed)	3 mg/m ³ (respirable)

Ventilation: General dilution ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below regulatory limits.

Personal Protection:

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.**Skin 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.

Eye Protection: Safety glasses or goggles.

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

CARCINOGENICITY: The table below indicates whether or not each agency has listed each ingredients as a carcinogen:

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

The International Agency for Research on Cancer (IARC) in June, 1987, categorized fiber glass continuous filament as notclassifiable 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.

SECTION 12: ECOLOGICAL INFORMATION

This material is not expected to cause harm to animals, plants or fish.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazard Class: Non-hazardous.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Names: Not regulated

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 - 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.