



PYRO SHIELD, INC.

Insulation, Fabrication and Warehouse • FREE Local Delivery

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Pyro Shield Heat Barrier Solutions

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FIBERGLASS SDS

Page 1/5

SECTION 1: Product and Company Information

Product Name or Number: Fiberglass needled mat, fiberglass fabrics and tapes

Nominal Fiber Diameter: 9 microns

SECTION 2: Hazardous Information

NFPA: Health =1, Fire = 0, Reactivity = 0, Specific Hazard = 0

HMIS III: H1/FO/PH0

Route of Entry: The material may enter the body through inhalation of nuisance dust

Target Organs: Respiratory system

Inhalation: Sore, raspy throat

Skin Contact: Redness, possible rash, and/or itching

Eye Contact: Itching and redness

Ingestion: Not applicable

SECTION 3 Composition/Formation of Ingredients

Chemical/Common Name	C.A.S Number	% by Weight	Exposure Guidelines
Fibrous Glass	65997-17-3	96-99	PEL: 15 mg/m ³ (Total Dust) 5 mg/m ³ (Respiratory Fraction)
			TLV: 10 mg/m ³ (Nuisance Dust)

(219) 661-8600 • Fax: (219) 661-8612
1171 Erie Court • Crown Point, IN 46307
FREE Local Delivery

For general questions
or quotes please contact
vsmith@pyroshield.com

(281) 941-9054 • Fax: (281) 941-4437
1424 Sens Road Unit 3 • LaPorte, TX 77571
FREE Local Delivery in Houston Area



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Page 2/5

SECTION 4: First Aid Measures

Eyes: Flush eyes with large amounts of water for 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical attention if irritation persists.

Skin: Wash gently with soap and water to remove dust and fibers.

Ingestion: Drink extra water to assist natural elimination. Seek medical attention if gastrointestinal irritation persists or other symptoms such as nausea, vomiting, or abdominal pain occur.

Inhalation: Move to fresh air. Drink water to clear throat and blow nose to remove fibers. Get medical attention if necessary.

SECTION 5: Fire Fighting Measures

Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire

Special Fire Fighting Instructions: Not applicable

Flash Point: Not applicable

Flammability Limits: Not applicable

Lower Explosive Limit: Not determined

Upper Explosive Limit: Not determined

Auto Ignition Temperature: Not applicable

SECTION 6: Accidental Release Measures

Action to Take for Spills/Leaks: Not applicable

Notification Information: There are no specific reporting requirements for release of this material as supplied under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendment Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements for the release of this material at the local, regional, or state level.

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Page 3/5

SECTION 7: Handling and Storage

Handling and Storage Procedures: No special handling or storage procedures required.

SECTION 8: Exposure Controls/Personal Protection

Engineering Controls/Work Practice: Control airborne concentrations below the exposure guidelines specified by the Occupational Safety and Health Administration (OSHA) or other local, state and federal regulations.

Personal Protective Equipment/Protective Measures:

Respiratory Protection: Dust mask

Protective Clothing: Gloves, long sleeve clothing

Eye Protection: Safety glasses or goggles

SECTION 9: Physical and Chemical Properties

Physical State: Solid

Color: White

Specific Gravity (Water=1): 2.10

Vapor Pressure: Not applicable

Vapor Density (Air=1): Not applicable

Melting Point: 700°C (1,300°F)

Boiling Point: Not applicable

Evaporation Rate (Water=1): Not applicable

Percent (%) Volatile by Volume: Not applicable

Solubility in Water: Not applicable

pH: Not applicable

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Page 4/5

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions of use

Incompatibility: Incompatible with fluorine, oxygen difluoride, chlorine bifluoride and alkalies

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide

Hazardous Polymerization: Not applicable

SECTION 11: Toxicological Information

Direct contact with the fiberglass materials or exposure to airborne fibers may irritate the skin, eyes, nose and throat. Fiberglass can cause itching due to mechanical irritation from the fibers. This is not an allergic reaction to the material. Breathing fibers may irritate the airways resulting in coughing and scratchy throat. Some people are sensitive and others are not.

SECTION 12: Ecological Information

No known hazards except for airborne fibers caused by nuisance dust 10 mg/m³ for fiber less than 7 microns.

SECTION 13: Waste Disposal Method

The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

SECTION 14: Transportation Information

No special transportation required.

SECTION 15: Regulatory Information

None known

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Page 5/5

SECTION 16: Other Applicable Information

Product which has been in service at elevated temperatures (greater than 1800°F) may undergo partial conversion to cristobalite, a form of crystalline silica which, if inhaled in sufficient quantity, can cause severe respiratory disease ("Pneumoconiosis"). The amount of cristobalite present will depend on the temperature and length of service. Cristobalite (inhaled) is classified as carcinogenic to humans (IARC, Group 1). The OSHA permissible exposure limit (PEL) for cristobalite is 0.05 mg/m³ as the respirable fraction of particulate matter. The ACGIH threshold limit value (TLV) for respirable quantities of cristobalite is 0.05 mg/m³.

NOTICE TO USERS: *The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Data Safety Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.*

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