Safety Data Sheet

PRODUCT NAME: Lewco SUPER MAT FR

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Super Insulation, LLC
Lewco Super Mat FR Hydrophobic Insulation Blanket

Product Use Description: Fluoropolymer-coated silica glass mat/blanket for insulation materials

Manufacturer/Distributor: Super Insulation, LLC
6859 Renoir Avenue
Baton Rouge, LA 70806

Telephone: (800) 221-6414 TX & AR (800) 233-9755
(225) 924-3221 Fax (225) 927-2918

Emergency Telephone: Not available

2. HAZARDS IDENTIFICATION

GHS hazard classification Not a hazardous substance or mixture**.**

GHS label elements Not a hazardous substance or mixture.

Precautionary statements Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon prolonged direct skin exposure to fibers during handling of this product.

Description of any hazards not otherwise classified: See Section 4.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS number	% by weight
Silicon dioxide	7631-86-9	~90
Polytetrafluoroethylene (PTFE)	9002-84-0	2-30
Carbon black	1333-86-4	0-10

(See Section 8 for Exposure Limits)

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4. FIRST AID MEASURES

Inhalation:	Remove from exposure. If irritation persists in any of these situations, a physician should be consulted.
Skin Contact:	Do not rub. Wash with soap and water. Use skin cream to sooth irritation. Wash clothes separately. A shower after work is recommended. Irritation typically will not persist if good personal hygiene habits are followed.
Eye Contact:	Flush with running water for at least 15 minutes. Using sterile eye wash, flush foreign bodies from eyes.
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.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	Water, foam, carbon dioxide (CO2), dry chemical, sand
Flammable Properties:	PTFE: Flash point, not applicable; Ignition temperature, 986-1,022°F (ASTM D 1929); Auto-ignition temperature, 968-1,040°F (ASTM D 1929)
Specific hazards:	Fiberglass is not flammable, is incombustible and does not support combustion. When exposed to temperature above 752°F, hazardous thermal decomposition products of PTFE can contain acid fluorides, fluorinated compounds, hydrogen fluoride, and carbon monoxide.
Special protective equipment or precautions for firefighters:	Use personal protective equipment. Wear self-contained breathing apparatus (SCBA) for firefighting if necessary. Wear full turnout gear or Level A equipment to protect skin, eyes and respiratory system from contact with HF. Decontaminate personnel and equipment with water wash-down after fire and smoke exposure, as well as after salvage.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use means of collection and cleanup that avoids generation of dust.

7. HANDLING AND STORAGE

Handling: Smoking, eating and drinking should be prohibited in the application area.

Storage: Keep product in packaging until use to help keep clean of contaminants.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS

Component	Limit/set by
Fibrous Glass	OSHA: TLV-TWA 15 mg/m^3 (total nuisance dust) and 5 mg/m^3 (respirable nuisance dust) NIOSH: REL/TWA-5 mg/m3 (total glass dust), and 3f/cc (respirable fibers).
PTFE	OSHA: PEL,15 mg/m^3 (total dust) and 5mg/m3 (respirable fraction); TLV-TWA, 10mg/m^3 (inhalable particulate) and 3mg/m^3 (respirable particulate)
Carbon black	OSHA: PEL-TWA, 3.5 mg/m^3

ENGINEERING CONTROLS

Ventilation: General dilution ventilation and/or local exhaust ventilation should be provided, as necessary to maintain exposures below TWL's limitation

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit, or if irritation occurs, use approved respiratory protection in accordance with your company's respiratory protection program and requirements of the local governmental jurisdiction.

Hand Protection: Wear gloves when handling this product.

Eye Protection: Safety glasses or goggles.

Protective Clothing: Loose fitting, long sleeved shirt and long pants if irritation is experienced.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Solid, Grey
Upper/lower flammability or explosive limits:	Not available
Odor:	No odor
Vapor pressure:	Not available
Odor threshold:	Not available
Vapor density:	Not available
pH:	Not available
Relative density Specific Gravity (H_2O=1):	0.15 – 0.2
Melting point:	> 600 °F for PTFE
Softening point:	> 2000 °F for fibrous silica glass
Solubility(ies):	Insoluble in water
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Partition coefficient(n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

10. STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal conditions of use
Conditions to avoid:	Do not overheat. Hazardous decomposition products of PTFE may evolve when heated above 716°F.
Materials to avoid:	PTFE can react with finely divided metal powders such as aluminum, magnesium and with strong oxidizers like fluorine and fluorine chloride to produce fire and / or explosion. Fibrous glass are not compatible with the strongly basic phosphates, hydrofluoric acids, some oxides and hydroxides; especially at elevated temperatures
Hazardous decomposition products:	Heating of PTFE in the temperature range of 716-752 °F releases decomposition products such as hydrogen fluoride (HF) and carbonyl fluoride (COF2).
Possibility of hazardous reactions/reactivity:	Not available

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11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Textile glass products do not contain hazardous or toxic ingredients
Chronic toxicity/effects from short- and long-term exposure:	Not available
Acute toxicity:	PTFE: LD50/rat > 11,280 mg/kg (oral); Carbon black: LD50/rat > 5,000 mg/kg (oral)
Carcinogens:	Textile glass products are not carcinogenic. They have a nominal filament diameter of 9µm. The smallest possible filament diameter is 6µm. According to the TRGS 905 (April 1996) fine fiber dust can be carcinogenic only if all following conditions are fulfilled: fiber length>5µm, diameter <3µm, ratio of length to diameter >3:1.

12. ECOLOGICAL INFORMATION

Textile glass fibers are made from mineral raw material and do not have essential organic substances. They are not biologically decomposable. Textile glass fiber and PTFE are ecologically harmless.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose in accordance with federal, state, and local regulations as a solid non-hazardous waste. This material is not regulated under RCRA hazardous waste regulations.

14. TRANSPORT INFORMATION

Textile glass fibers are considered non-hazardous material during transportation. Therefore, there are no special measures necessary for the transportation and labeling by land, sea or air. Transport in closed vehicles in original packaging to protect product from accumulation of environmental contaminants and debris.

15. REGULATORY INFORMATION

EPA, RCRA 40 CFR, Part 261, 1990: Non-hazardous

CERCLA: Not listed

SARA Title III: Exempt by definition

PA Right-to-Know: Less than reportable quantity

TSCA Inventory: Exempt per section 8(a), 710.2(f), and 704.5(a)

CA Proposition 65: Not listed

MA Right-to-Know: Less than reportable quantity

NJ Right-to-Know: Less than reportable quantity

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16. OTHER INFORMATION

Disclaimer: Super Insulation, LLC makes no warranty of any kind regarding the accuracy or completeness of the information contained herein. Users should independently determine the suitability and completeness of information from all sources for their particular purpose(s). While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.