

MATERIAL SAFETY DATA SHEET

ISSUED: 5 MARCH 1998

SECTION I: PRODUCT IDENTIFICATION

Product Name: Fiber Glass Insulation **Emergency Telephone Number:** 713-849-2163
Generic Name: Fibrous Glass Insulation **CAS #:** NA
Chemical Name: NA

Manufacturer: QuietFlex Manufacturing Company L.P.
4518 Brittmoore Rd.
Houston, TX 77041

SECTION II: INGREDIENTS

Ingredient Name	CAS #	%	Exposure Limits
Fibrous Glass (E-type, continuous filament)	65997-17-3	80-95	15mg/m ³ Total Nuisance Dust (OSHA) 10mg/m ³ Total Glass Dust (ACGIH) 5mg/m ³ Respirable Nuisance Dust (OSHA)
Phenolic Resin (cured)	68585-23-9	5-20	Not Established

SECTION III: HAZARD IDENTIFICATION

Emergency overview: Under normal conditions of use, this product is not expected to create any unusual emergency hazards.

Primary route(s) of entry: Inhalation.

Symptoms of overexposure: Rash, itching, conjunctivitis, coughing, sneezing.

Immediate (acute) health hazards: Mechanical irritation of the skin, eyes, and upper respiratory system.

Long term (chronic) health hazards: Studies have been conducted to determine the long-term health effects of fiber glass. Animals which were exposed to fiber glass by inhalation (breathing) did not show any signs of disease. Some animals, which were exposed by other artificial means (such as fiber glass injected in the lungs or chest cavity), did develop tumors. Studies of fiber glass workers have shown a small excess of lung cancer when compared to local control groups. However, there is no evidence that this excess is related to breathing fiber glass.

SECTION IV: FIRST AID MEASURES

Inhalation:	Remove to fresh air. Drink water to clear throat, and blow nose to remove fibers and dust.
Skin:	Rinse contact areas with room temperature to cool water, then wash gently with mild soap. If glass fiber becomes imbedded, seek medical attention.
Absorption:	Not applicable.
Ingestion:	Product is not intended to be ingested or eaten. If this product is ingested, irritation of the GI (gastrointestinal) tract may occur, and should be treated symptomatically. Rinse mouth with water to remove fibers, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.
Eye:	Do not rub or scratch eyes. Dust particles may cause the eye to be scratched, or possibly some particles imbedded. Flush eyes with large amounts of water for 10-15 minutes. If irritation persists, seek medical attention.
Fires:	Remove to fresh air. Administer oxygen and get medical help.
Information for Medical Practitioners:	This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposure. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

SECTION V: FIRE FIGHTING MEASURES

Flash Point and Method:	Does not support combustion
Flammable Limits:	LEL: N/A
	UEL: N/A
Auto Ignition Temperature:	Not Determined
Extinguishing Media:	Use water, foam, dry chemical or carbon dioxide
Fire Fighting Procedures:	Wear self contained breathing apparatus and protective clothing.
Fire and Explosion Hazards:	Resin and packaging materials will burn and may cause dense smoke.
Combustion Products:	Carbon dioxide, carbon monoxide and hydrocarbon particulate.

SECTION VI: ACCIDENTAL SPILL/RELEASE MEASURES

Containment Procedures:	Pick up and discard large pieces. Vacuum dust. If sweeping is necessary, use a dust suppressant such as water.
Disposal:	Dispose in accordance with government regulations. Waste is not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261).

SECTION VII: HANDLING AND STORAGE

Handling:	Wear long sleeves, gloves, and eye protection (goggles, safety glasses or face mask) when handling loose material or during installation. In poorly ventilated areas it is recommended to use an approved respirator such as 3M model #8710 or #9900 or equivalent.
Storage:	Store material in a dry area protected from the elements.

SECTION VIII: /EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Protection: Respiratory Protection: 3M Model 8710 (3M Model 9900 in high humidity environments) or equivalent under the following conditions: 1) in any poorly ventilated space, 2) fabrication involving power tools, 3) any dusty environment.

Skin Protection: Loose fitting long sleeved shirt, long pants and gloves.

Eye Protection: Safety glasses with side shields or goggles.

INGREDIENT	OSHA PEL	ACGIH TLV
Fibrous glass	5 mg/m ³ (respirable dust) 15 mg/m ³ (total dust)	10 mg/m ³
Cured Binder	None	None
Formaldehyde	0.75 ppm TWA 2 ppm STEL	0.3 ppm ceiling

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Vapor Density (Air=1):	N/A
Boiling Point (°F):	N/A	pH:	N/A
Melting Point (°F)	2250 ⁰ (glass)	Specific Gravity (H2O=1):	N/A
Freezing Point:	None	Solubility in Water:	Slight
Odor:	Organic (resin)	Viscosity:	N/A
Color:	Yellow to Brown	Evaporative Rate (ethyl ether=1):	N/A
Appearance:	Fibrous blanket		

SECTION X: REACTIVITY and STABILITY

General: Stable

Incompatibility: None

Reactivity: None

Hazardous Polymerization: Will not occur

SECTION XI: TOXICOLOGICAL INFORMATION

Carcinogenicity: The following indicates the carcinogenic classification of each agency;

INGREDIENT	ACGIH	IARC	NTP	OSHA
Fiber glass (continuous filament)	No	No	No	No
Formaldehyde	Yes	Yes	Yes	Yes

IARC determined that the data from both human and animal studies was inadequate to classify continuous filament glass fibers, the type used in the manufacturing of this insulation, as carcinogenic to humans.

IARC, in March 1987, upgraded their evaluation of formaldehyde gas, based on evidence of Carcinogenicity in humans, from inadequate (Group 2B) to limited (Group 2A). Several studies on persons in various occupations with potential exposure were used in the evaluation. Cancers that occurred in excess in more than one study are; lung, nose, prostate, bladder, brain, colon, skin, kidney, cancers of the buccal cavity and pharynx, leukemia and Hodgkin's disease.

SECTION XII: ECOLOGICAL INFORMATION

No adverse environmental effects would be expected should this product be accidentally released into the air or water. This product is not anticipated to harm wildlife or fish.

SECTION XIII: DISPOSAL CONSIDERATIONS

RCRA Hazard Class: Non-hazardous

Scrap material should be disposed of in a sanitary landfill in accordance with all federal, state and local regulations.

SECTION XIV: TRANSPORTATION INFORMATION

NMFC (National Motor Freight Classification): 103300S3, Insulation Material

SECTION XV: REGULATORY INFORMATION

TSCA Status: Each ingredient is on the inventory

SARA Title III: Hazard Categories:

Acute Health:	Yes
Chronic Health	Yes
Fire Hazard:	No
Pressure Hazard:	No
Reactivity Hazard:	No

California Proposition 65: Fiber glass wool (respirable size) and Formaldehyde are regulated as carcinogens.

SECTION XVI: OTHER INFORMATION

HIMS and NFPA Hazard Rating:	Category	HIMS	NFPA
	Acute Health	1	2
	Flammability	0	0
	Reactivity	0	0

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**ANNEX A – QUIETFLEX MANUFACTURING COMPANY FIBER GLASS INSULATION
SDS DATED 5 MARCH 1998**

CONTACT POINT

For further information on this product please contact:

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000 Fire brigade and Police (Australia)

POISONS INFORMATION

13 11 26 (Australia)

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