

# SAFETY DATA SHEET

## Fiber Glass Insulation



### Section 1. Identification

- GHS product identifier** : Fiber Glass Insulation  
**Product code** : Not available.  
**Other means of identification** : Versatile Blanket, TexTuf Fiberglass Blanket, Regular G-Glass.  
**Product code** : Not available.  
**Product type** : Solid.

**Identified uses**

Fiberglass blanket applications for the automotive, natural gas, and construction industries. Thermal Insulation uses.

- Supplier's details** : QuietFlex Manufacturing Company L.P.  
 4518 Brittmoore Rd.  
 Houston, Texas 77041  
 Tel : (713) 849-2163  
 Toll Free : 1-877-694-3669  
 Fax : (713) 849-0753  
 Web site: <http://www.quietflex.com>

- Emergency telephone number (with hours of operation)** : CANUTEC: +1-613-996-6666 or \*666 (cellular)  
 CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887  
 24/7

### Section 2. Hazards identification

- OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

- Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

**GHS label elements**

**Hazard pictograms** :



- Signal word** : Warning  
**Hazard statements** : H319 - Causes serious eye irritation.  
 H315 - Causes skin irritation.  
 H335 - May cause respiratory irritation.

**Precautionary statements**

**Prevention**

- : P280 - Wear protective gloves. Wear eye or face protection.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P261 - Avoid breathing dust.  
 P264 - Wash hands thoroughly after handling.

## Section 2. Hazards identification

- Response** : P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
 P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.  
 P332 + P313 - If skin irritation occurs: Get medical attention.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.

**Storage** : P405 - Store locked up.

**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards not otherwise classified (HNOC)** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Other means of identification** : Versatile Blanket, TexTuf Fiberglass Blanket, Regular G-Glass.

### CAS number/other identifiers

Ingredient name	CAS number	%
Glass, oxide, chemicals	65997-17-3	80 - 95
Phenol, polymer with formaldehyde, reaction products with hexamethylenetetramine (Cured)	68585-23-9	5 - 20

“Phenolic Novalac Resin / Hexamine” is thermoset into our insulation during our glass manufacturing process.

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.**

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. Do not rub or scratch eyes. Dust particles may cause the eye to be scratched.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Drink water to clear throat, and blow nose to remove dust. A saline spray in the nose may help clear any fibers. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Wash gently with soap and cool or room temperature water to remove dust and fibers. Get medical attention if symptoms occur.
- Ingestion** : Rinse out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. This material is not meant to be ingested. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

## Section 4. First aid measures

- Eye contact** : Dusts and fibers form of this product may cause temporary mechanical irritation to the eyes.
- Inhalation** : Dusts and fibers form of this product may cause temporary mechanical irritation to the nose, throat and respiratory track.
- Skin contact** : Dusts and fibers form of this product may cause temporary mechanical irritation and redness to the skin.
- Ingestion** : Ingestion of this product is unlikely; however, ingestion may cause gastrointestinal irritation.

### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No special protection is required.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
Carbon dioxide  
Carbon monoxide  
Ammonia  
Water

**Special protective actions for fire-fighters** : Fire fighters should avoid inhaling any combustion products.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Pick up large pieces and dispose as listed in Section 13 of this SDS.

### Methods and materials for containment and cleaning up

- Spill** : Pick up large pieces. Vacuum dusts and loose fibers. If sweeping is necessary, use dust suppressant such as water. Do not dry sweep dust. Never use compressed air for clean-up. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
- Storage** : Storage should be in accordance with packaging directions, if any. Material should be stored in a dry place and kept in its original packaging until use.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep in original packaging until ready for use.

## Section 8. Exposure controls/personal protection

### Control parameters

- Occupational exposure limits** : The Occupational Safety and Health Administration (OSHA) have not adopted specific exposure standards for fiber glass. Fiber glass is treated as a nuisance dust and is regulated by OSHA as a particulate not otherwise regulated (total dust) shown in CFR 1910.1000 Table Z-3.

Ingredient name	Exposure limits
Glass, oxide, chemicals	<p><b>NIOSH REL (United States, 10/2016).</b>                      TWA: 3 f/cc 10 hours. Form: Fibers of spec length                      TWA: 3 f/cc 10 hours. Form: Fibers of specific length                      TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Total</p> <p><b>ACGIH TLV (United States, 3/2017).</b>                      TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction                      TWA: 1 f/cc 8 hours. Form: Respirable fibers: length greater than 5 µm; aspect ratio equal to or greater than 3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective) phase contrast illumination.</p>

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne dust.
- Environmental exposure controls** : Pick up solid pieces and dispose of as listed in Section 13.

## Section 8. Exposure controls/personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. In dusty environments chemical goggles should be worn to protect against mechanical abrasion.
- Skin protection**
- Hand protection** : Cotton or leather gloves should be worn to protect against mechanical abrasion.
- Body protection** : Wear a cap, a loose-fitting long sleeved shirt and long pants to protect skin from mechanical irritation. Exposed skin areas should be washed with soap and water after handling or working with fiberglass.
- Other skin protection** : Clothing should be washed separately from other cloths, and the washer should be rinsed thoroughly (run empty for a wash cycle). This will help reduce the chances of fiber glass being transferred to other clothing.
- Respiratory protection** : A NIOSH approved N-95 series disposable respirator should be used if ventilation is unavailable, or is inadequate for keeping dust and fiber levels below applicable exposure limits referenced in Section 8 of this SDS.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Solid. [Fibrous glass blanket.]
- Color** : Yellow to brown.
- Odor** : Organic (resin).
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point** : Not available.
- Boiling point** : Not applicable.
- Flash point** : Not applicable.
- Evaporation rate** : Not applicable.
- Flammability (solid, gas)** : Non-flammable.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not applicable.
- Vapor density** : Not applicable.
- Relative density** : Not applicable.
- Solubility** : Slight
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not applicable.
- Volatility** : Not available.
- VOC (w/w)** : 0 % (w/w)

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable under normal conditions.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : None.
- Incompatible materials** : None.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

There is no data available.

#### Irritation/Corrosion

Dust from this product is a mechanical irritant; which means that it may cause irritation or scratchiness of the throat and/or itching and redness of the eyes and skin.

#### Sensitization

There is no data available.

#### Carcinogenicity

##### Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Glass, oxide, chemicals	-	3	-	A4	-	-

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Fiber Glass Insulation	Category 3	Not applicable.	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

- Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

- Eye contact** : Dusts and fibers form of this product may cause temporary mechanical irritation to the eyes.
- Inhalation** : Dusts and fibers form of this product may cause temporary mechanical irritation to the nose, throat and respiratory track.
- Skin contact** : Dusts and fibers form of this product may cause temporary mechanical irritation and redness to the skin.

## Section 11. Toxicological information

**Ingestion** : Ingestion of this product is unlikely; however, ingestion may cause gastrointestinal irritation.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** : No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

There is no data available.

## Section 12. Ecological information

### Toxicity

There is no data available.

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

There is no data available.

### Mobility in soil

## Section 12. Ecological information

**Soil/water partition coefficient (K<sub>oc</sub>)** : There is no data available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : This product is not expected to be a hazardous waste when it is disposed of according to the U.S. Environmental Protection Agency (EPA). Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## Section 14. Transport information

	DOT	IMDG	IATA
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.
<b>Additional information</b>	-	-	-

**AERG** : Not applicable.

**Special precautions for user** : These products are not classified as dangerous goods according to international transport regulations.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.  
**Clean Water Act (CWA) 311:** Formaldehyde

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed



## Section 15. Regulatory information

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**SARA 302/304**

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Formaldehyde	0 - 0.001	Yes.	500	-	100	-

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Glass, oxide, chemicals	80 - 95	No.	No.	No.	No.	Yes.

**SARA 313**

No products were found.

State regulations

**Massachusetts** : The following components are listed: Glass, oxide, chemicals

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

**California Prop. 65**

**⚠ WARNING:** This product can expose you to Formaldehyde, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Ingredient name	No significant risk level	Maximum acceptable dosage level
Formaldehyde	Yes.	-

## Section 16. Other information

History

**Date of issue mm/dd/yyyy** : 01/30/2018

**Date of previous issue** : 05/15/2015

**Version** : 2

**Prepared by** : KMK Regulatory Services Inc.

## Section 16. Other information

### Key to abbreviations

- : ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

### Notice to reader

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