

## 1. Product and Company Identification

**Material name** G-Fiber  
**Version #** 00  
**Issue date** 02-21-2013  
**Revision date** 02-21-2013  
**Supersedes date** -  
**Chemical description** Aluminum Silicate  
**CAS #** Mixture  
**Product code** 802-0010  
**Product use** Industrial Leak Sealant  
**Manufacturer information**  
**Manufacturer/Supplier** Team Industrial Services, Inc.  
 200 Hermann Drive, Alvin, Texas 77511  
**Emergency Contact** CHEMTREC - 24 HOURS  
 USA: CHEMTREC: 800-424-9300  
 International: 703-527-3887 (Collect)

## 2. Hazards Identification

**Physical state** Solid.  
**Appearance** Fiber material.  
**Emergency overview** WARNING  
 Dust may irritate the respiratory tract, skin and eyes. Cancer hazard - can cause cancer.  
**OSHA regulatory status** This product is hazardous according to OSHA 29 CFR 1910.1200.  
**Potential health effects**  
**Routes of exposure** Eye contact. Skin contact.  
**Eyes** Dust in the eyes will cause irritation.  
**Skin** Prolonged or repeated skin contact may cause irritation.  
**Inhalation** May cause respiratory tract irritation. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.  
**Ingestion** May cause discomfort if swallowed. Ingestion of dusts generated during working operations may cause nausea and vomiting.  
**Chronic effects** Cancer hazard - can cause cancer.  
**Signs and symptoms** Irritation of nose and throat. Irritation of eyes and mucous membranes.  
**Potential environmental effects** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Quartz	14808-60-7	50-80
Refractories, Fibers, Aluminosilicate	142844-00-6	10-25

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

### First aid procedures

**Eye contact** Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.  
**Skin contact** Wash area with soap and water. Get medical attention if irritation develops or persists.  
**Inhalation** Remove victim to fresh air. Get medical attention if symptoms persist.

<b>Ingestion</b>	Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.
<b>Notes to physician</b>	Treat symptomatically.
<b>General advice</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

### Extinguishing media

**Suitable extinguishing media** Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media** No restrictions known.

### Protection of firefighters

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Protective equipment and precautions for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials. Cool material exposed to heat with water spray and remove it if no risk is involved.

**Hazardous combustion products** None known.

## 6. Accidental Release Measures

**Personal precautions** Avoid dust formation. Avoid inhalation of dust. Avoid prolonged and repeated contact. See Section 8 of the MSDS for Personal Protective Equipment.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**Methods for containment** Prevent entry into waterways, sewer, basements or confined areas.

**Methods for cleaning up** Collect dust using a vacuum cleaner equipped with HEPA filter.

**Other information** Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

**Handling** Avoid inhalation of dust. Use work methods which minimize dust production. Provide adequate ventilation. Avoid prolonged and repeated contact. Observe good industrial hygiene practices.

**Storage** Store in closed original container in a dry place. Keep away from open flames.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.3 mg/m <sup>3</sup>	Total dust.
		0.1 mg/m <sup>3</sup>	Respirable.
		2.4 millions of particle	Respirable.

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable particles.

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.

## Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.

## Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.

## Mexico. Occupational Exposure Limit Values

Components	Type	Value
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3

<b>Engineering controls</b>	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Risk of contact: Wear approved safety glasses or goggles.
<b>Skin protection</b>	Where skin contact is likely, wear chemical impervious gloves. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Fiber material.
<b>Physical state</b>	Solid.
<b>Form</b>	Fiber material.
<b>Color</b>	Grey. <b>Odor</b> Odorless.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	slightly soluble in water.
<b>Specific gravity</b>	Not available.
<b>Flash point</b>	560 °F (293.3 °C) Closed Cup
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Low
<b>Auto-ignition temperature</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	No data available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	None known.

<b>Hazardous decomposition products</b>	None known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Sensitization</b>	Not a skin sensitizer.
<b>Acute effects</b>	May cause discomfort if swallowed.
<b>Local effects</b>	May cause eye irritation on direct contact. Prolonged or repeated skin contact may cause irritation.
<b>Chronic effects</b>	Cancer hazard - can cause cancer. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.
<b>Carcinogenicity</b>	Prolonged breathing of high levels of crystalline silica can cause silicosis. Also, airborne crystalline silica is possibly carcinogenic to humans.

### ACGIH Carcinogens

Quartz (CAS 14808-60-7) A2 Suspected human carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.

### US NTP Report on Carcinogens: Known carcinogen

Quartz (CAS 14808-60-7) Known To Be Human Carcinogen.

<b>Symptoms and target organs</b>	Irritation of eyes and mucous membranes. Irritation of nose and throat.
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## 12. Ecological Information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation / Accumulation</b>	No data available.
<b>Partition coefficient</b>	No data available.
<b>Mobility in environmental media</b>	No data available.

## 13. Disposal Considerations

<b>Waste codes</b>	Not regulated.
<b>Disposal instructions</b>	Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Recover and reclaim or recycle, if practical.
<b>Contaminated packaging</b>	Dispose product packaging in accordance with local authority requirements taking into account characteristics of the packaging material.

## 14. Transport Information

<b>DOT</b>	Not regulated as a hazardous material by DOT.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>TDG</b>	Not regulated as dangerous goods.

## 15. Regulatory Information

<b>US federal regulations</b>	This product is hazardous according to OSHA 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.

## Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)**  
No

**Section 311/312 (40 CFR 370)**  
Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)**  
Not controlled

**Canadian regulations**  
This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**WHMIS status**  
Controlled

**WHMIS classification**  
D2A - Other Toxic Effects-VERY TOXIC

**WHMIS labeling**



### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

#### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Quartz (CAS 14808-60-7) Listed.

Refractories, Fibers, Aluminosilicate (CAS 142844-00-6) Listed.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Quartz (CAS 14808-60-7) Listed: October 1, 1988 Carcinogenic.

Refractories, Fibers, Aluminosilicate (CAS 142844-00-6) Listed: July 1, 1990 Carcinogenic.

#### US - New Jersey RTK - Substances: Listed substance

Quartz (CAS 14808-60-7) Listed.

#### US. Massachusetts RTK - Substance List

Quartz (CAS 14808-60-7) Listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Quartz (CAS 14808-60-7)

Listed.

**16. Other Information**

**Further information**

HMIS® is a registered trade and service mark of the NPCA.  
I - Safety Glasses, Gloves, Dust, Vapor Respirator

**HMIS® ratings**

Health: 2\*  
Flammability: 1  
Physical hazard: 0  
Personal protection: I

**NFPA ratings**

Health: 2  
Flammability: 1  
Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.