

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	GFiber FG
Registration number	-
Synonyms	None.
Product code	802-0011
Issue date	15-May-2013
Version number	00
Revision date	15-May-2013
Supersedes date	-

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Industrial Leak Sealant.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier	Team Industrial Services, Inc.
Address	Postbus 37 4380 AA Vlissingen 3237 The Netherlands
Telephone	+31 (0) 118 48 58 00
Fax	+31 (0) 118 48 58 86
e-mail	Not available.
Contact person	Not available.

1.4. Emergency telephone number + (61)-290372994, +1 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn;R48/20

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Specific target organ toxicity - repeated exposure Category 1 (Lung)

H372 - Causes damage to organs (Lung) through prolonged or repeated exposure.

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Prolonged breathing of high levels of crystalline silica can cause silicosis.
Main symptoms	Irritation of nose and throat. Irritation of eyes and mucous membranes.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Quartz

Hazard pictograms



Signal word Warning

Hazard statements	H372 - Causes damage to organs (Lung) through prolonged or repeated exposure.
Precautionary statements	
Prevention	P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling.
Response	P314 - Get medical advice/attention if you feel unwell.
Storage	Store away from incompatible materials.
Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	Not applicable.
2.3. Other hazards	Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Quartz	50-80	14808-60-7 238-878-4	-	-	
Classification:		DSD: Xn;R48/20 CLP: STOT RE 1;H372			
Refractories, Fibers, Aluminosilicate	10-25	142844-00-6	-	650-017-00-8	
Classification:		DSD: Carc. Cat. 2;R49 CLP: Carc. 1B;H350			

Composition comments	The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Note R: The classification as a carcinogen does not apply according to Directive 67/548/EEC as it can be shown that fibers have a length weighted geometric mean diameter less two standard geometric errors greater than 6 micrometers.
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SECTION 4: First aid measures

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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4.1. Description of first aid measures

Inhalation	Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Skin contact	Contact with dust: Wash area with soap and water. Get medical attention if irritation develops or persists.
Eye contact	Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed	Irritation of eyes and mucous membranes. Irritation of nose and throat.
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4.3. Indication of any immediate medical attention and special treatment needed	Treat symptomatically.
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SECTION 5: Firefighting measures

General fire hazards	No unusual fire or explosion hazards noted.
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5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	No restrictions known.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment 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.

Special fire fighting procedures

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid dust formation. Avoid inhalation of dust and contact with skin and eyes.

For emergency responders

Use personal protection as recommended in section 8 of the SDS.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Vacuum up the spilled material. Vacuums used for this purpose should be equipped with HEPA filters. For waste disposal, see section 13.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use work methods which minimise dust production. Use only in well-ventilated areas. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Industrial Leak Sealant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	MAK	0,15 mg/m ³	Respirable dust.

Belgium. Exposure Limit Values.

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,07 mg/m ³	Respirable fraction.

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	0,3 fibers/cm ³	Respirable fibers.

Denmark. Exposure Limit Values

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m ³	Total
		0,1 mg/m ³	Respirable.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TLV	1 fibers/cm ³	Fiber.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.

Finland. Workplace Exposure Limits

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,05 mg/m ³	Respirable.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	0,2 fibers/cm ³	Respirable.

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	VME	0,1 mg/m ³	Respirable fraction.

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,15 mg/m ³	Respirable.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,3 mg/m ³	Total dust.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	0,1 mg/m ³	Respirable dust.
		1 fibers/cm ³	Fiber.

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.

Italy. OELs

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m ³	Respirable fraction.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	0,2 fibers/cm ³	Fiber.

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	2 mg/m ³

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable fraction.

Netherlands. OELs (binding)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,075 mg/m ³	Respirable dust.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TWA	0,5 fibers/cc	Respirable fibers.

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m ³	Total dust.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6)	TLV	0,1 mg/m ³	Respirable dust.
		0,1 fibers/cm ³	Fiber.

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	2 mg/m ³ 0,3 mg/m ³	Total dust. Respirable dust.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m ³	Respirable fraction.

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Type	Value
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,15 mg/m ³	Respirable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable fraction.

Sweden. Occupational Exposure Limit Values

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,15 mg/m ³	Respirable dust.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable.

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust.

Individual protection measures, such as personal protective equipment

General information Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Risk of contact: Wear approved safety glasses or goggles.

Skin protection

- Hand protection Wear protective gloves.

- Other Where skin contact is likely, wear chemical impervious gloves. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory protection 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. Use respiratory equipment with particle filter, type P2.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures 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.

Environmental exposure controls

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Fiber material.
Physical state	Solid.
Form	Fiber material.
Colour	Grey. Odour Odourless.
Odour threshold	Not applicable.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable.
Flash point	293,3 °C (560,0 °F) Closed cup
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not available.
Solubility(ies)	Slightly soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not available.
Oxidizing properties	Not oxidizing.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Temperatures above melting point. Contact with incompatible materials.
10.5. Incompatible materials	Strong acids. Strong bases. Strong oxidising agents.
10.6. Hazardous decomposition products	None known.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise. However, ingestion is not likely to be a primary route of occupational exposure.
Inhalation	Dust may irritate throat and respiratory system and cause coughing. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.
Skin contact	Dust or powder may irritate the skin.
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms Irritation of eyes and mucous membranes. Irritation of nose and throat.

11.1. Information on toxicological effects

Acute toxicity May cause discomfort if swallowed.

Skin corrosion/irritation Dust may irritate skin.

Serious eye damage/eye irritation May cause eye irritation on direct contact.

Respiratory sensitisation Not a respiratory sensitizer.

Skin sensitisation Not available.

Germ cell mutagenicity Test data conclusive but not sufficient for classification.

Carcinogenicity Prolonged breathing of high levels of crystalline silica can cause silicosis. Also, airborne crystalline silica is possibly carcinogenic to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.
Refractories, Fibers, Aluminosilicate (CAS 142844-00-6) 2B Possibly carcinogenic to humans.

Reproductive toxicity Test data conclusive but not sufficient for classification.

Specific target organ toxicity - single exposure Test data conclusive but not sufficient for classification.

Specific target organ toxicity - repeated exposure May cause damage to organs through prolonged or repeated exposure by inhalation.

Aspiration hazard Not relevant, due to the form of the product.

Mixture versus substance information Not available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity 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.

12.2. Persistence and degradability No data available.

12.3. Bioaccumulative potential No data available.

Partition coefficient n-octanol/water (log Kow) Not available.

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

Mobility in general No data available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations.

Contaminated packaging Dispose product packaging in accordance with local authority requirements taking into account characteristics of the packaging material.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information 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.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This substance/mixture is not intended to be transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

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

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

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

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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

Directive 94/33/EC on the protection of young people at work

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

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration. PBT:
Persistent, bioaccumulative and toxic. vPvB:
Very Persistent and very Bioaccumulative. DSD:
Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.

References

IARC Monographs. Overall Evaluation of Carcinogenicity
ESIS (European chemical Substances Information System)
HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R49 May cause cancer by inhalation.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

Training information

Follow training instructions when handling this material.

Disclaimer

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