

Safety Data Sheet

According to Regulation (EC) No. 1907/2006



Date issued: 29.06.2009

Revision date: 16.11.2011

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Issue: 002

n.a. = non-applicable
dna = data not available

Glass fabric

1. Identification of the substance / preparation and company/undertaking

1.1 Article

Commercial product name Glass fabric
Application Reinforcement material in fibre-glass reinforced plastics

1.2 Company/Undertaking

SAERTEX GmbH & Co. KG in Saerbeck
Brochterbecker Damm 52
D-48369 Saerbeck
Telephone: +49 (0) 25 74 / 902-143, Fax: +49 (0) 2574 / 902 353
Permanently occupied station: +49 (0) 25 74 / 902-143 (office times)
Mr. Paul Kipke
E-Mail: info@saertex.com

1.3 Emergency telephone: +49 (0) 25 74 / 902-0

2. Hazards identification

2.1 Classification of article with mixture

Regulation (EC) 67/548/EWG respectively 1999/45/EG
Not classified.

2.2 Label elements

None.

2.3 Additional labelling

None

Additional information

Description of hazards

When properly used, no hazards exist.
Risk of dust explosion in machining operations without adequate ventilation or exhaust

Impact on human health

Excessive inhalation of dust can irritate the respiratory system. (For limits, see point 8.1).
May cause eye or skin irritation of sensitive persons.

Impact on environment

When properly used, no hazards exist.

3. Composition/information on ingredients

Chemical Characterisation: product
CAS Registry No.: no indication

Ingredients	EG-Nr.	CAS-Nr.	Mass %	R-phrase	Symbol
Fibre Glass	266-046-0	65997-17-3	85 – 95	n.a.	n.a.
Blackening based on silane	dna	dna	0 – 5	n.a.	n.a.
Sewing thread based on polyester	dna	dna	0 – 5	n.a.	n.a.

For the complete wording for R-phrases and symbols please see chap. 16.

3.1 Hazardous constituents subject to the regulation 67/548/ECC

No hazardous substances

3.2 Substances for which there are Community workplace exposure limits, which are not already included in point 3.1(see also point 8)

None, if not listed in point 8

3.3 Additional information

None

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4. First aid Measures

- | | | |
|------------|--|--|
| 4.1 | General information | sharp edges can cause injuries. |
| 4.2 | After inhalation | Supply fresh air. In case of persistent symptoms, consult a doctor. |
| 4.3 | After skin contact | Wash with plenty of water and soap. Rinse thoroughly.
Seek medical advice in case of persistent irritation. |
| 4.4 | After eye contact | Keep eyelids open and rinse thoroughly with clean, fluent water for at least 15 minutes. In case of disorders and/or eye redness consult eye specialist. |
| 4.5 | After swallowing | gently wipe or wash the mouth. Drink small portions of water. Do not instil anything through the mouth of unconscious person. call medical help if symptoms persist. |
| 4.6 | Information for the physician
Treatment | None
Symptomatic therapy. |

5. Fire-fighting measures

- The product is not flammable
- 5.1 Suitable extinguishing media**
 Water
 CO₂
 Foam
 Dry powder
- 5.2 Unsuitable extinguishing media**
 Water jet.
- 5.3 Special hazards caused by substance or preparation itself, its combustion product or released gases**
 Carbon oxides
- 5.4 Special protective equipment for fire fighting**
 Use protective clothing appropriate to surrounding fire. Fight incipient fire with extinguisher.
 Fire class A/B
 Depending on smoke emission use self-contained breathing apparatus.
 In case of massive exposure to the substance: wear chemical protective suit.
- 5.5 Additional information**
 Fibre Glass is not flammable. The surface coating may burn even without atmospheric oxygen. It may produce dangerous decomposition products.

6. Accidental release measures

- 6.1 Person-related precautionary measures**
 Sufficient ventilation should be provided. Avoid dust building, prohibit skin and eye contact.
- 6.2 Environmental-protection measures** (see point 13 also, disposal considerations)
 no special procedures are expected to be necessary.
- 6.3 Procedures for cleaning/absorption**
 collect mechanically and remove properly.
 Avoid dust formation and dust collection.
 Use industrial vacuum system.
- 6.4 Additional information**
 None

7. Handling and storage (National regulations see point 15. und 16.)

- Fibre Glass is not classified as a dangerous substance or dangerous goods. Risk may occur by dust formatting activities
- 7.1 Handling**
Advice on safe handling
 See point 8 also.
 Keep away from food.
 Cautious against electrostatic charging.
 Avoid inhalation of dust.

Fire control and explosion prevention

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The product is not explosive , though dust deposits above 1 mm can lead to explosions.

If possible remove fibres from danger zone.

Eliminate ignition sources.

Take care of back fire.

Additional requirements for technical installations

Low-dust processing procedures and machines should be used.

Cutting tools (e. g. cutter shafts) should be maintained and sharpened adequately.

Dust should be vacuumed.

7.2 Storage

Requirements for storage and vessels

Store at room temperature and a relative humidity lower than 65 % (+/- 10%).

Store dry.

Because of dust deposits appropriate ground ventilation is necessary.

Advice on storage compatibility

Not needed

Further information on storage condition

Fibre Glass should not be stored with materials with which dangerous chemical reactions are possible.

Storage class n.a.

7.3 Special usage

Reinforcement material in fibre-glass reinforced plastics

8. Exposure controls/personal protection

8.1 Exposure limit values

250000 F / m³, TRK (Technische Richtkonzentration, technical indicative concentration) value, (Berufsgenossenschaftlichen Informationen für Sicherheit und Gesundheit bei der Arbeit, BGI 729, professional association informations for security and health at work)

6 mg / m³ (Alveolar fraction) BGI 729

8.2 Limitation and control of occupational exposure

Personal protective equipment

Respiratory protection

Effective dust mask. Due to dust formation a particle filter mask is necessary. FFP2

Hand protection

Protective gloves against mechanical risks, cut protection class 2 recommended.

Eye protection

Tightly sealed goggles with side protection

Body protection

Wear protective work clothing and safety shoes if contact is possible. According to grade of exposure wear long dense apron, boots and dust-proof protective clothing.

Skin protection

Use skin care cream.

General measures

Do not eat, drink, smoke or sniff while working. Always wash hands before breaks and at the end of work.

Clean machines, working area and clothing regularly.

9. Physical and chemical properties

9.1 General information

Viscosity: solid / Fibres

Colour: White-yellow

Odour: odourless

9.2 Important information on health- and environmental safety

Melting temperature : > 800 °C

Boiling point : n.a.

Solidification point: n.a.

Flash point: n.a.

Density: 2,6 – 2,7 g / cm³

pH-value: n.a.

Ignition temperature: n.a.

Explosive limits: n.a.

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Explosion properties	Risk of explosion in contact with: Halogens / dust, oxides / dust, salt oxides / dust, peroxides / dust, activated charcoal (smooth, porous) + oxidation agents. The product reacts dangerously with: activated charcoal (smooth, porous) + air, activated charcoal + dry oils, risk of dust explosion
9.3 Additional information	None

10. Stability and reactivity

10.1 Conditions/substances to be avoided

No hazardous reactions known under normal conditions.

10.2 Hazardous decomposition products

Do not expose to temperatures exceeding 800°C. At temperatures between 200 and 600°C due to the surface coating the product generates carbon dioxides which are emitted as smoke.

10.3 Additional information

None

11. Toxicological information

11.1 Toxicological tests

11.1.1 Acute toxicity/specific result of animal experiments

Oral:	n.a.
Dermal:	n.a.
By inhalation:	n.a.

11.1.2 Irritancy and corrosiveness/sensitising effect

Skin irritation	Possibility of irritation.
Skin sensitisation	None.
Eye irritation	May cause eye irritation.
irritating of respiratory systems	May cause irritation of respiratory system. Swallow irritates the upper respiratory system

11.1.3 Sub acute, chronic toxicity, carcinogenicity, mutagenicity, and toxicity for reproduction

carcinogenicity	None
Mutagenicity	None
Toxicity for reproduction	None
Chronic toxicity	None

11.1.4 Additional information

None

11.2 Practical experience

None

11.2.1 Relevant observations for classification

None

11.2.2 Other observations

None

11.3 General information

None

12. Ecological information

12.1 Ecological toxicity

aquatic toxicity:

96 h LC50 (fish)	None
48 h EC50 (daphnia)	None
72 h IC50 (alga)	None

Waste water treatment plant: None

12.2 Mobility

n.a.

12.3 Persistence and degradability

n.a.

12.4 Bio-accumulative potential

n.a.

12.5 Other adverse effects

ozone depletion potential	n.a.
photochemical ozone creation potential	n.a.
AOX	n.a.

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12.6 Additional information

COD-value n.a.
 BOD-value n.a.

12.7 Water endangerment category (Germany)

See point15 also
 Not water hazardous

12.8 Result of PBT assessment n.a.**13. Disposal considerations****13.1 Disposal according to national regulations**

Advice: None.
 Waste category: wastes from thermal processes.
 Waste designation: wastes from manufacture of glass and glass products.
 Waste-code: 10 11 03 fibre glass waste
 Disposal operations: see recovery operations
 Recovery operations: adjust to contamination concentration

Disposal operations and recovery procedures have to be decided due to pollution levels in accordance with recycling factory and applicable rules.

13.2 Unclean package

Advice: n.a.

14. Transport information**14.1 Road and rail ADR / RID / GGVSE (German regulation)**

UN number: Not classified as hazardous for transport
 ADR/RID class: Not classified as hazardous for transport
 Warning sign: Not classified as hazardous for transport
 Hazard number: Not classified as hazardous for transport
 Hazard label: Not classified as hazardous for transport
 Packing group: Not classified as hazardous for transport

14.2 Ship transport IMDG / GGVSee.

UN number: Not classified as hazardous for transport
 IMDG class: Not classified as hazardous for transport
 Marine pollutant: Not classified as hazardous for transport
 IMDG packing group: Not classified as hazardous for transport
 EmS: Not classified as hazardous for transport
 Proper shipping name: Not classified as hazardous for transport

14.3 Air transport ICAO / IATA

UN/ID No.: Not classified as hazardous for transport
 ICAO/IATA-Klasse: Not classified as hazardous for transport
 ICAO packing group: Not classified as hazardous for transport
 Proper name: Not classified as hazardous for transport

15. Regulatory information**15.1 Labelling according to 67/548/ECC and 1999/45/EC**

No material safety evaluation for the material was done by the manufacturer.
 No hazardous substance according to RL67/548/EWG u. 1999/45/EG

Special labelling: None

15.2 National regulations (Germany)

Advice on employment restriction: GefStoffV, JugendASchG, MutterschutzG.

Water hazard class: Not water hazardous (VwVws)

15.2 Other regulations, restrictions and requirements:

Realize Workplace values, Information about hazards can be obtained from the "Technischen Regeln für Gefahrstoffe" (TRGS 900 ff., German technical rules for hazardous material), Technischen Regeln für Betriebssicherheit (TRBS 2152, technical rules for operational security) and Berufsgenossenschaftlichen

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Informationen für Sicherheit und Gesundheit bei der Arbeit (BGI 729, professional association informations for security and health at work). Note water right regulations (e. g. VAWS, WHG). German regulations

15.3 **Chemical safety assessment**

No chemical safety assessments

16. **Other information**

16.1 **wording in full of S-phrases**

- S 13: Keep away from food, drink and animal feeding stuffs
S 17: Keep away from combustible material.
S 20/21: When using do not eat, drink or smoke.
S 24/25: Avoid contact with skin and eyes.
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28: After contact with skin, wash immediately with plenty of water and soap.
S 37/39: Wear suitable gloves and eye/face protection.
S 61: Avoid release to the environment. Refer to special instructions/safety data sheets.
S 64: If swallowed, rinse mouth with water (*only if the person is conscious*).

16.2 **Training Information**

People working with fibre glass or coming into contact with it have to be trained in view of hazards for man and environment. They have to be instructed according to national regulations, e. g. "Arbeitsschutzgesetz" (German Occupational Safety and Health Regulations), "Gefahrstoffverordnung" (German Ordinance on Hazardous Substances), technical rules for operational security.

16.3 **Responsible division:**

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Mr. Paul Kipke
E-Mail: info@saertex.com

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Revision to version 2: Changes in chapter 2. This data sheet provides you with reference points for the safe handling, storage, transport and disposal. The information is based on the current level of knowledge and assure no certain characteristics. Laws and regulations for handling, storage, transport and disposal are observed at the consignee's own risk.