

# Safety Data Sheet - Fibre Glass Matting



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## 1. IDENTIFICATION OF THE SUBSTANCE /MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>Product identifier</b>	Product Name	Fibre Glass Matting
<b>Details of the supplier of the safety data sheet</b>	Company	S1E Ltd
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## 2. COMPOSITION / INFORMATION ON THE COMPONENTS

Chemical characterisation:	Substance
Production:	Glass filament rovings continuously drawn according to the nozzle drawing procedure and coated with a sizing. Then processed to fabric and mat; afterwards the two layers are sewn together.
Components:	Continuous filaments made of glass According to DIN 1259 Part 1, an alumino borosilicate / calcium aluminosilicate glass for the general production of glass reinforced plastics and acid-resistant applications. Glass percentage >99 %, sizing percentage <1 % (silane sizing)

## 3. POSSIBLE HAZARDS

In some cases, small broken filaments might cause irritation of the eyes, skin or respiratory tract.

#### 4. FIRST AID MEASURES

In the event of the following complaints, we recommend taking the following measures:

Breathing difficulties:	Leave the site.
Irritation of the skin:	Rinse the affected parts of the skin with lukewarm water and soap. Do not rub.
Irritation of the eyes:	Rinse the eyes with clear water for several minutes.

#### 5. FIREFIGHTING MEASURES

Textile glass filaments are not combustible, only the packaging is combustible. Suitable extinguishing media are water, foam or powder.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal protective measures	Not applicable
Environmental protection measures	The product does not cause any ecological risks. For waste disposal, the local waste and residue regulations must be observed. The Reststoffbestimmungsverordnung [German Ordinance on the Regulations of the Destination of Residues] applies.
Cleaning method	No special regulations must be observed.

#### 7. HANDLING AND STORAGE

Handling	For persons with pronounced sensitisation for irritations of the skin, we recommend avoiding contact with the skin. Do not rub.
Storage	The material should be stored in its original packaging dry and without direct exposure to sunlight. We recommend storage temperatures between 10°C and 35°C and a relative humidity between 40 and 70%.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit value(s)	None.
Personal protective equipment:	
Body protection:	No special measures must be observed; chafing of areas, however, is to be avoided.
Breathing protection:	No special measures must be observed; in some cases, we recommend wearing a paper mask (protection level 1).
Eye protection:	No special measures must be observed; in some cases, we recommend wearing safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Fabric made of glass rovings and powder-bound glass mat sewn together as complex to flat web material, wound onto rolls.	Flash Point (°C)	Not Applicable
Colour	White	Flammability	Only the sizing and the sewing cotton decompose when temperatures of approx. 400°C are exceeded.
Odour	Odourless	Ignitable, explosive range	Not Applicable
<b>Physical &amp; Chemical Properties</b>		Autoignition temp.	Not Applicable
pH (Value)	not Applicable	Vapour Pressure	Not Applicable
Change of State:	Softening Point 700-900°C Melting Point 1100-1400°C	Density	2.61 g/cm <sup>3</sup>
		Solubility in water	Insoluble in water.

## 10. STABILITY AND REACTIVITY

<b>Hazardous reaction:</b>	Complex, acid-resistant mat fabrics are products that cannot cause any hazardous reactions
<b>Hazardous decomposition products:</b>	Not applicable.

## 11. TOXICOLOGICAL INFORMATION

The product does not contain any toxic and/or hazardous substances or preparations within the meaning of the Gefahrenstoffverordnung [German Ordinance on Hazardous Substances] and/or within the meaning of Article 3 of the Chemikaliengesetz [German Chemicals Act].

It is important to keep in mind that these fibres are not inhalable and, thus, cannot have a carcinogenic effect. This is due to the fact that their diameter exceeds 3 µm and is thus beyond the limit value for inhalable fibres.

Item 2.3 of TRGS 905 [technical rule for hazardous substances], published in June 1997, is not applicable.

The general principles in the field of industrial hygiene for fibres with a diameter >3 µm that might be generated or released during processing listed in no. 4 of TRGS 521 – fibre dusts – in the version of May 2002 must be observed.

## 12. ECOLOGICAL INFORMATION

The product does not cause any ecological risks; however, it does not biodegrade.

### 13. DISPOSAL CONSIDERATIONS

Dispose of the product in accordance with the Abfall- und Reststoffbestimmungsverordnung [German Ordinance on the Regulations of the Destination of Waste and Residues].

European Waste Catalogue code           EAK 101 103.

### 14. TRANSPORT INFORMATION

The product is not classified as a hazardous good within the meaning of the transport regulations

### 15. REGULATIONS

The product is not subject to labelling in accordance with the Gefahrgutverordnung [German Ordinance on Hazardous Goods].

The above information describes safety-relevant issues according to the current level of our knowledge and does not represent any quality features nor do they release the users from their personal responsibility when handling glass fibre complexes and from observing the statutory regulations and requirements.

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