Safety data sheet

Glass fibre CRF+

ECR glass fibre complex

in accordance with the Commission Directive 91/155/EEC

1. Substance / preparation and name of the company

Identification of the substance

Product name	Glass Fibre CRF+ Matting

Details of the supplier of the safety data sheet

Company	S1E Ltd Copper House, Unit 2 S72 2BQ, Barnsley
Telephone	+44 (0)1226 397 015
E-mail address	contact@s1e.co.uk
Emergency telephone number	+49 (0) 2159 - 675 00-0 (8-17 h)

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. Fire fighting 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%.

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8. Exposure controls and personal protective equipment

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.	
Colour	White	
Odour	Odourless	

Physical and chemical properties

pH value	Not applicable.	
Change of state	Softening point Melting point	approx. 700-900°C approx. 1100-1140°C
Flashing point	Not applicable.	
Flammability	Only the sizing and the sewing cotton decompose when temperatures of approx. 400°C are exceeded.	
Ignition temperature	Not applicable.	
Self-ignitability	Not applicable.	
Vapour pressure	Not applicable.	
Density	2,61 g/cm³	
Solubility	Insoluble in water.	

10. Stability and reactivity

Hazardous reaction	Complex, acid-resistant mat fabrics are products that cannot cause any hazardous reactions.
Hazardous decomposition products	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 ↔m 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 ↔m 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]. Waste code no. EAK 101 103.

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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].

Please Note

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.