

01. Product or Preparation and Company Identification**Trade name:**epros®FibreglassMat CRF(+) 1400 g/m²**Product/preparation identification**

Fibreglass mat for sewer rehabilitation works

Manufacturer/supplier

Trelleborg Pipe Seals Duisburg GmbH

Dr.-Alfred-Herrhausen-Allee 36

D – 47228 Duisburg

Information department

Tel: +49 (0) 2065/999-0

Fax: +49 (0) 2065 999-111

Emergency hotline:+49 (0) 2065/999-150

02. Composition/information on ingredients**Chemical identification**

Substance

Manufacture: Glass filament roving, continuous, mechanically drawn and provided with a size finish. Then converted into a fabric and mat with both layers being subsequently sewn.**Ingredients:** Continuous glass filaments

An aluminoborosilicate glass / calcium aluminosilicate glass according to DIN 1259 Part 1 for general manufacture of glass-reinforced plastics and acid-proof applications.

Glass percentage > 99%

Size percentage < 1% (silane finish)

03. Potential hazards

Small broken filaments may potentially cause short-term irritations to the eyes, skin or respiratory tracts.

04. First aid measures**Difficult breathing**

Leave the location.

Skin irritation

Wash the affected skin with lukewarm water and soap; no rubbing.

Eye irritation

Wash the eyes with clear water for several minutes.

Other allergies

Leave the location.

05. Fire fighting measures

Textile glass filaments are not flammable, only the package is flammable.

Suitable fire fighting agents are water, foam or powder.

06. Accidental release measures**Personal precautions**

not applicable

Environmental precautions

The product causes no environmental risks. For waste disposal, respect the local waste management regulations. The residual waste regulations shall apply.

Cleaning/take-up

No special regulations or rules need to be respected.

07. Handling & storage**Handling:**

Persons with increased sensibilisation for skin irritations are recommended to avoid skin contact.

No rubbing!

Storage information

The material should be stored in its original packing in a dry place and kept from direct sunlight. The recommended storage temperatures are between 10°C and 35°C, and the recommended relative humidity of air is between 40 % and 70 %.

08. Exposure limits and controls / Personal protective equipment**Additional information on the design of technical plants**

No special recommendations under normal conditions of use. In case of high loads, exhaust plants can be installed.

Ingredients requiring occupational exposure limits to be controlled:

not applicable

Personal protective equipment:

Clothing: No special measures required, but avoid worn-off spots.

Respiratory protection: No special measures required, but a paper mask could be used (protection degree 1).

Eye protection: No special measures required, but safety goggles may be advisable.

Other measures: No special measures required, but a skin ointment may be advisable.

09. Physical & chemical properties**Appearance:**

Form: Woven glass roving and powder-bonded glass mat, sewn together into a flat sheet material complex wound into rolls.

Colour: white

Odour: odourless

Safety-related data:

pH: not applicable

Change of state: Softening point: approx. 700 / 900 °C

Melting point: approx. 1100 / 1140°C

Flash point: not applicable

Inflammability: only the size finish and the sewing yarn decompose at 400°C and above

Ignition temperature: not applicable

Self-inflammability: not applicable

Explosive limit: upper limit: not applicable

lower limit: not applicable

Vapour pressure: not applicable

Density: 2.61 g/cm³

Further information

Solubility: insoluble in water

10. Stability & reactivity**Hazardous reactions:**

Complex acid-proof mat and fabric are products that cannot cause any hazardous reactions.

Hazardous decomposition products:

not applicable

11. Toxicological information

The product contains no toxic or hazardous substances or preparations under the German hazmat regulations or under § 3 of the German Chemicals Act.

It is important to know that these fibres are not inhalable and therefore cannot have any carcinogenic effect. This is attributable to the fact that they exceed 3 µm in diameter and thus are specified outside the limits set out for inhalable fibres.

Section 2.3 of the German Technical Rules Hazardous Material (TRGS 905), as issued in June 1997, is not applicable.

No. 4 of the Technical Rules TRGS 521 – fibre dusts –, as issued in May 2002, shall be observed as to the general principles of occupational hygiene for fibres with a diameter >3µm that may be generated or released during processing operations.

12. Ecological information

This product causes no ecological risks, but it is not biodegradable.

13. Disposal considerations

Description: Waste glass-based fibrous materials

According to the waste management regulations, waste code EWC 101103.

14. Transport information**Land transport**Warning sign
Not applicable.

Hazard No.:

Class / section / letter

UN No.:
not applicable**Waterway transport**

Not applicable.

Class / section / letter

not applicable

Sea transport

Not applicable.

Class

not applicable

Air transport

Not applicable.

Class

not applicable

Further information

Complex acid-proof mat and fabric are no hazardous material under the German hazmat regulation (GGVS).

Trelleborg epros GmbH advises to transport, handle and store the product in a dry condition and in its original packaging.

15. Regulatory information**Identification according to European directives**

No labelling duty for the product under the German hazmat regulations.

The product contains

R-phrases:

not applicable

S-phrases:

not applicable

Further information:

none

National Regulations (Germany)

Information on limited occupational exposure:

none

Regulation on Disruption of Operations:

not applicable

Vbf regulation on flammable liquids:

not applicable

Water Hazard Class:

not applicable

Other regulations, restrictions, limitations:

none

16. Other information

Important:

The information and data contained herein reflect the current state of our technical knowledge. They do not describe quality features and do not release any party handling the fibreglass complex from its own responsibility or its duty to comply with laws and statutory requirements.