

1. Substance, preparation and company:

Trade name: isoGLAS yarn in the form of: cords, woven fabrics, tapes, needle mat
Company: Frenzelit-Werke GmbH & Co. KG, P.O.B. 1140, D-95456 Bad Berneck
Information: Safety at Work and Environmental Protection Division
phone 09273/72-109, fax -102

2. Composition/Information about components

Chemical characterisation:

Product from aluminium borosilicate glass (E-glass) - alkali content < 1 % (finished),
size content < 1,5 %.

isoGLAS extra: reduced organic attendant material
Alufix coating: aluminium pigments, polymer coating
Alugray coating: aluminium pigments acrylate coating
Alufoilbaking: aluminium foil with adhesive
Silicone coating: Polydimethylsiloxane with function groups and auxiliary agents, pigments
Graphite: graphite/natural rubber-coating
Mtex^(R): aluminium pigments

Dangerous substances:

CAS no.	Designation	Content (%)	Danger symbol	R/S
-	-	-	-	-

3. Potential risks

Mineral fibres (without exception) of a diameter larger than 5 µm, can cause reversible mechanical irritations to the eyes and the skin as a result of the fibre diameter. In high concentrations of dust the upper respiratory system can be affected by mechanical irritations. If an excessive amount of fibrous dust is generated during any mechanical treatment of the material, it can be reduced by dust exhaust systems or by natural ventilation.

4. First aid

At eye irritation: Do not rub but flush with plenty of water
At skin irritation: Wash with water, then use skin cream or emulsion with oil, if necessary
Irritation of upper respiratory system: Fresh air

5. Fire fighting measures

Suitable extinguishing media: All standard extinguishing media
Not to be used: Not applicable
Further information: -

6. Measures at intended release

Precautions for persons: Avoid formation of dust. Respiratory mask P 1, if necessary.

Environmental protection measures.

Methods for cleaning/taking up: Vacuum clean with suitable device. Avoid formation of dust.

7. Handling and storage

Handling

At mechanical or manual handling increased dust formation may be found. Dust should be removed by suction ventilator (mechanical irritation of skin and upper respiratory system possible).

Hazardous reactions:

At contact with hydrofluoric acid (HF) tetrafluorosilane (SiF₄) may be formed.

Hazardous decomposition products:

At decomposition of the organic parts CO₂ or CO may be formed subject to air supply and other decomposition products like a normal organic decomposition.

Further information: At first heating of needle mat, use normal ventilation, if necessary.

11. Information on toxicology**Acute toxicity:**

LD/LC50 values relevant for classification: n.a.

Alufix coating: When first heating the material traces of low temperature carbonisation gases may be released. A preventive measure in this first phase should be sufficient ventilation.

12. Information on ecology No ecologically detrimental effects known.**13. Notes on disposal**

Product: Can be disposed on regular disposal site observing local regulations

Waste code for unused product: 101103

Uncleaned packing material: -

Recommendations: Avoid formation of dust during disposal

14. Notes on transport

GGVSee/IMDG-code: n.a.

GGVE/GGVS: n.a.

UN-no.: n.a.

Further information: -

ICAO/IATA-DGR: n.a.

ADNR: n.a.

RID/ADR: n.a.

15. Regulations

Directive67/548/EWG: n.a.

(Product contained long, continuous fibres with a defined diameter, not fibres with random orientation according to the EC-definition)

16. Further information:

n.a. = not applicable

The information set forth herein is based on our knowledge as of the date of issue but is no warranty with respect to product properties. Existing regulations and laws in force are to be observed by the consignee/user of our product under his own responsibility.

Division issuing data sheet:

Contact:

Safety at work/Environmental protection

Rainer Oetke,

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