

SAFETY DATA SHEET

E type glass fiber products

Date of issue: 11.10.2021

Version: 1.0/EN

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

E type glass fiber products: yarns, textured yarns, twisted yarns, tapes, cords, document sleeves, fabrics (raw, dyed, reinforced, stitched and/or self-adhesive).

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: high temperature protection and / or insulation.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Supplier: Heat Shieldings
Address: Boogerd 12, 1687 VX Wognum, Netherlands
E-mail address: Info@heatshieldings.com

1.4 Emergency telephone number

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

According to art. 2 of REACH product is defined as article and it does not require classification.

2.2 Label elements

According to art. 2 of REACH product is defined as article and it does not require labelling.

2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product components are not assessed as endocrine disrupting substances.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Adhesive layer properties:

Liner Silicone paper	brown	approx. 0,08
Adhesive covered side	Dispersion acrylic	approx. 0,15
Carrier	Special paper white	
Adhesive open side	Dispersion acrylic	

Total thickness: approx. 0,23

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Coated glass fiber with the following composition

SiO ₂	52-56%
CaO	16-25%
Al ₂ O ₃	12-16%
B ₂ O ₃	5-10%
MgO	0-5%
F ₂	0-1%
Alkaline oxides (Na ₂ O, K ₂ O)	0-1%
TiO ₂	0-0,8%
Fe ₂ O ₃	0,05-0,4%

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Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: in case of skin contact wash contaminated skin thoroughly with water and soap. Consult a doctor, if disturbing symptoms occur.

Eye contact: consult a doctor, if disturbing symptoms occur. Protect non-irritated eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for at least 10-15 minutes.

Ingestion: exposure by this route does not usually occur.

Inhalation: consult a doctor, if disturbing symptoms occur. Remove the victim to fresh air. Keep warm and calm.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: may cause mechanical irritation with the following symptoms: redness, tearing, pain, corneal damage.

Skin contact: may cause mechanical irritation with the following symptoms: itching, redness.

Inhalation: product's dust may cause coughing, irritation of the upper respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: adjust firefighting measures to the surrounding materials.

Unsuitable extinguishing media: water jet – risk of propagation of the flame.

5.2 Special hazards arising from the substance or mixture

The product is not flammable.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Handle in accordance with good occupational hygiene and safety practices. Avoid creating dusts.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Collect mechanically avoiding dusting. Clean the contaminated area.

6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protection equipment – section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Before break and after work wash hands carefully. Use as intended. Avoid eye contact. Use personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in original, tightly sealed containers.

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7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Product does not contain components with occupational exposure limit values established on the European Union level.

Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

Please check any national occupational exposure limit values in your country.

Great Britain:

The product does not contain any components which are subject to control exposure in the workplace.

EH40/2005 Workplace exposure limits. Fourth Edition 2020.

8.2 Exposure controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Wash hands thoroughly before breaks and after work.

Hand and body protection

Depending on the task being performed, protective gloves and clothing appropriate to the potential risk should be worn.

Eye protection:

It is recommended to use protective glasses (EN 166) if there is a risk of eye contamination.

Respiratory protection:

In case of dust formation respiratory protection is recommended.

Thermal hazards

Not applicable.

Environmental exposure controls

Do not allow large amounts of the product enter groundwater, sewage system, sewage or soil.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Colour	according to assortment
Odour	odourless
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range:	not applicable
Flammability	incombustible
Lower and upper explosion limit	not applicable
Flash point	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	not determined
pH	not applicable
Kinematic viscosity	not applicable
Solubility	insoluble in water
Partition coefficient n-octanol/water (log value)	not determined
Vapour pressure	not determined
Density and/or relative density	not applicable
Relative vapour density	not applicable
Particle characteristics	not applicable

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9.2 Other information

Temperature resistance: up to 500 °C (excluding additives)

Section 10: Stability and reactivity

10.1 Reactivity

Product is not reactive. It does not undergo a dangerous polymerization.

10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are known.

10.4 Conditions to avoid

Not known.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

None.

Section 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

While complying with the general principles of occupational health and safety, the product does not pose a threat to human health or life.

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Routes of exposure: eye contact, skin contact, inhalation. See subsection 4.2 for more information on the impact of each possible route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2.

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Delayed and immediate effects as well as chronic effects from short and long-term exposure

See subsection 4.2.

11.2. Information on other hazards

The product components are not assessed as endocrine disrupting substances.

Section 12: Ecological information

12.1 Toxicity

The product is not classified as hazardous for the aquatic environment.

12.2 Persistence and degradability

The product is not biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

The product is not mobile in soil. Mobility in the aquatic environment is low.

12.5 Results of PBT and vPvB assessment

Substances contained in the product are not classified as PBT or vPvB in accordance with Annex XIII of the REACH Regulation.

12.6. Endocrine disrupting properties

The product components are not assessed as endocrine disrupting substances.

12.7. Other adverse effects

Not known.

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: dispose of in accordance with the local regulations. Waste code should be assigned in place of its formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

Section 14: Transport information

14.1. UN number or ID number

Not applicable. Product is not classified as dangerous during transport by road, see and air.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

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14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC as amended.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

15.2. Chemical safety assessment

There is no data on the chemical safety assessment for the substances contained in the product.

Section 16: Other information

Abbreviations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.