

In accordance with Regulation EC/1907/2006

Note

In accordance with Article 31 (Requirements for Safety Data Sheets) of the REACH Regulation (EC/1907/2006), there is no obligation to prepare a safety data sheet for basalt fibres.

1. Identification of the substance and of the company**1.1. Product name**

Basalt fibre

1.2. Use of the substance/preparation

Uniaxial and multiaxial woven products and geotextiles, pultrusion, filament winding

1.3. Company identification

Danish Fibres A/S
Snedkervej 3
DK 6800 Varde
Denmark
T +45 88389890
info@danishfibres.dk
www.danishfibres.dk

1.4. Emergency telephone number

Mobile: +45 24 65 96 15

2. Hazards identification**2.1. Human and environmental hazards**

None

3. Composition / Information on ingredients

Basalt fibre - $\geq 99.94\%$ by weight (wt%)

4. First aid measures

In general, medical attention is not required.

4.1. Inhalation

Remove the person from the hazardous area.

4.2. Skin contact

Usually no measures are necessary; if needed, rinse with plenty of lukewarm water and mild soap without vigorous rubbing.

4.3. Eye contact

Usually no measures are necessary; if needed, rinse with water (for a few minutes).

5. Firefighting measures

5.1. In case of fire

Basalt fibres are non-flammable, non-combustible, and do not support combustion.

5.2. Suitable extinguishing media

Not required, but all extinguishing agents can be used without restriction.

5.3. Hazardous combustion products

None

5.4. Special protective equipment

Not required

6. Accidental release measures

6.1. Personal precautions

Gloves are recommended when handling basalt

6.2. Environmental precautions

No measures required

6.3. Methods for cleaning up

Collect using mechanical means (dustpan, shovel) and place in a waste container in accordance with Section 13.

7. Handling and storage

7.1. Handling

Heavy mechanical stress on basalt fibre fabrics may generate dust and fibre particles, which can be unpleasant. Skin irritation may occur upon contact. Use of a vacuum cleaner is recommended for removal. General hygiene requirements and appropriate measures for handling chemicals must be observed (see Section 8).

7.2. Storage

Storage areas must be well ventilated. Store in dry rooms at room temperature; avoid excessive humidity. Only store products in their original packaging. Storage in passageways and stairwells is not permitted.

7.3. Specific uses

Not applicable

8. Exposure controls / Personal protection

8.1. Exposure limit values

None

8.2. Exposure controls

All reasonable measures (e.g. extraction systems, process modifications to reduce fibre dust) should be taken to avoid concentrations of fibres that may cause skin irritation.

8.3. Occupational exposure controls

If Section 7.1 is followed, personal protective equipment is generally not required. Respiratory protection: For work where dust may be released, use dust masks and fine particle filters in accordance with EN 143, filter type P1 (EN 141). Eye protection: Safety goggles recommended (EN 166). Hand protection: Leather or cotton gloves recommended. Protection of hands and exposed body parts: Gloves for hands, long-sleeved clothing and long trousers to prevent skin irritation. General protective and hygiene measures: Wash hands thoroughly before breaks and after work. Wear long-sleeved clothing to prevent skin irritation. Individuals with sensitive skin should apply protective cream to exposed skin areas.

8.4. Environmental exposure controls

Not required

9. Physical and chemical properties

9.1. General information

Physical state: Solid
Colour: Dark olive, gold
Odour: Odourless

9.2. Important health, safety and environmental information

pH value: Not applicable
Boiling point / range: Not applicable
Flash point: Not applicable
Flammability: Not applicable
Explosion hazard: None
Oxidising properties: None
Vapour pressure: Not applicable
Relative density: 2 g/cm³
Solubility: Insoluble
Water solubility: Insoluble
Partition coefficient (n-octanol/water): Not applicable
Viscosity: Not applicable
Vapour density: Not applicable
Evaporation rate: Not applicable

9.3. Other information

No safety-relevant parameters to report

10. Stability and reactivity

Basalt fibres are stable and non-reactive.

10.1. Conditions to avoid

Not applicable

10.2. Materials to avoid

Not applicable

10.3. Hazardous decomposition products

None

11. Toxicological information

Acute toxicity: Not applicable

Local effects: Short-term skin irritation may occur. Symptoms usually subside after leaving the affected area.
Sensitisation: No data available

Carcinogenic risk: According to CLP Regulation (EC) No 1272/2008 Annex VI, Note R, and GKV 2011, classification as carcinogenic is not mandatory for fibres where the length-weighted mean geometric diameter minus twice the standard deviation is greater than 6 µm. The minimum length-weighted mean geometric diameter of DBF basalt fibres is greater than 7 µm. Therefore, DBF basalt fibres are not classified as carcinogenic.

12. Ecological information

Basalt fibres are not biodegradable. The sizing is an organic substance that is only slowly and partially degraded by natural influences (e.g. water). Due to the low amount of sizing and its very limited solubility, basalt fibres are not considered to have any detectable ecotoxicological effects.

12.1. Ecotoxicity

See above

12.2. Mobility

Not mobilisable

12.3. Persistence and degradability

Not persistent and not biodegradable

12.4. Bioaccumulative potential

None

12.5. Results of PBT assessment

No PBT properties

12.6. Other adverse effects

None known

13. Disposal considerations

Disposal as non-hazardous waste at landfill sites is possible. Clean cardboard, wood or plastic waste (films, bags), as well as packaging, can be disposed of in appropriate containers or in accordance with local waste regulations.

14. Transport information

No special precautions required during transport

15. Regulatory information

No substance safety assessment is required for basalt.

Labelling of basalt according to Directive 1999/45/EC until June 2015, and thereafter according to Regulation (EC) No 1272/2008, is not required.

No specific EU regulations concerning health or environmental protection apply to basalt fibres.

16. Other information

Basalt fibres do not require any hazard labelling.

Compliance with general hygiene and occupational safety regulations is sufficient.

Note:

The information contained in this safety data sheet is provided in good faith and based on current knowledge and best belief. It is subject to ongoing review and may be amended or supplemented as necessary.

When using the product, the user must strictly follow the technical specifications for processing and fully consider all safety aspects.

We reserve the right to make changes to the specifications without prior notice.

Furthermore, it should be noted that all data provided are based on ongoing production and may vary. Therefore, our information does not constitute a guarantee.

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