Safety data sheet according to regulation (EC) No 1907/2006 and (EC) No 1272/2008

Trade name:	**IBF Fiberboard bio-soluble**		
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1. Designation of Material/Preparation/ and Company

Trade-name: IBF Fiberboard bio-soluble

RECH registration number: none

Product Information: Thermal insulation of industrial equipment

Manufacturer/Supplier :

Techno-Physik Engineering GmbH

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2. Composition: Information on Constituents

Mixtures:Amorphous soluble calcium-magnesium-slilicon fibre. 15 – 70 %

AES wool: CAS 436083-99-7; EC-No.650-016-00-2; REACH-01-2119457644-32-00002.

3. Potential Hazards

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The substance is not classified according to the CLP regulation since it is an article.

3.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

3.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

4. First-aid Precautions

4.1 after skin contact	Wash the affected areas of skin with water and mild soap. Do not use any other cleansing agents.
4.2 after contact with the eyes	Rinse the eyes with water

5. Fire-fighting Precautions

Use an extinguisher appropriate to the environment.

6. Action on accidental Release into the Atmosphere

6.1 Personal precautions	See Point 8 - personal protective clothing for high dust concentrations
6.2. Environmental precautions and decontamination	Collect the product residues mechanically and fill into closed containers; Avoid creating dust. For collecting dust from the product use a vacuum cleaner or clean up with a damp cloth.

7. Handling and Storage

7.1. Handling	Avoid the creation and deposition of dust
7.2. Storage	Store in a dry place. Avoid damage to the packaging.

8. Exposure Control and personal protective Clothing and Equipment

8.1. Additional instructions for the construction of technical plants	Use technical protective measures (e.g. dust exhaustion) to keep dust to a minimum

8.2. Constituents with limits affecting the workplace which require monitoring:

Designation	Limit	Nature of limit
Synthetic mineral fibres	500,000 fibres/m³	TRK
General dust limit	6 mg/m³	MAK

8.3 Personal Protective Clothing

Respiratory protection	Where the limits have been exceeded (see Point 8.2.) breathing apparatus with a particle filter corresponding to DIN 1381-P2 must be worn. It is recommended that these masks should be worn also atlower fibre concentrations.
Hand protection	The use of protective gloves is recommended.
Eye protection	A suitable pair of goggles must be worn when working overhead.
Body protection	Wear loose-fitting, long-sleeved, working clothes (disposable protective suits are recommended), headdress is recommended for overhead work.

Protective and hygiene precautions	Clean the workplace regularly. Staff must be required to work cleanly and to observe high standards of personal hygiene.

9. Physical and chemical Properties

9.1. Appearance:	Form: sheet Colour : beige-brown Smell : odourless
9.2 Data of relevance for safety	pH-value: Flash-point/flammability: non-flammable Melting point: >1200°C Explosive limits: - Vapour pressure: - Density: 400 kg/m³

10. Stability and Reactivity

Hydrogen fluoride, phosphoric acid and concentrated lyes should be avoided.

11. Toxicological Data

Bio-stability tests of the synthetic mineral fibres employed produced the following results:

Half-life on inhalation	< 40 days
Primary irritant effect:	< does not irritate the skin

12. Ecological Data

The, mostly mineral, constituents of these products are inert and stable.

13. Instructions for Disposal

These products contain no hazardous substances in the sense of the Dangerous Substances Directive and may be disposed of in an appropriate disposal site in keeping with official and local regulations. Residues and waste not subjected to thermal effects will be taken back by the manufacturer.

EEC-Code for waste glass: 101103

14. Shiping Data

These products do not present any shipping hazard.

Protect products from damp during shipment. Avoid the creation of dust.

15. Regulations

These products are not subject to labelling regulations as they contain no hazardous substances in the sense of the Hazardous Substances Directive or the corresponding EU directives.

European Regulations:

Directive 97/69/EC

German Regulations:

TRGS 521 - Fibre Dusts

TRGS 900 - Ambient Air Limits at the Workplace

TRGS 905 - Index of Substances which cause Cancer, genetic Changes and Hazards to Reproduction

Third Decree amending the Hazardous Substances Directive of 12.6.1998 (BG bl.1, S.1286)

16. Miscellaneous Data

Prolonged use at temperatures of approximately 1000°C can cause crystalline silicon oxide to form. Under these conditions it is recommended that the local regulations pertaining to silicon oxide dust should be complied with.

The data contained in this safety data sheet are based on the present state of knowledge and experience. The safety data sheet describes products from the viewpoint of safety requirements. The data have no significance as assurances regarding their properties.