Safety Data Sheet
(in accordance with the Directive 67/548/EEC)

Bentofix® made of polypropylene fibres and bentonite

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1	**Identification of the substance/preparation and company**	

1.1	Trade name:	BENTOFIX® (made of polypropylene fibres and bentonite)

1.2	Manufacturer/Supplier:	NAUE GmbH & Co. KG Gewerbestrasse 2 D – 32339 Espelkamp-Fiestel Phone: ** 49 (57 43) 41 - 0 Fax: ** 49 (57 43) 41 - 333
	Emergency address: Or contact information centre for toxicology, i. e. Berlin	see also: manufacturer/supplier Phone: ** 49 (30) 19240

2	**Composition** **Information on ingredients** Chemical characterization/description:	Geosynthetic clay liner. Composite of geotextiles made of polypropylene and bentonite (aluminium hydro-silicate)
	Substances presenting a health hazard:	not applicable

3	**Possible hazards** Hazards identification:	not applicable

4	**First-aid measures**	not applicable

5	**Fire-fighting measures** Suitable extinguishing media:	Water spray stream Foam Extinguishing powder coal dioxyde
	Special exposure hazards arising from the substance, its combustion products or resulting gases:	Carbon monoxyde (CO), carbon dioxyde (CO_2)

6	**Accidental release measures** Personal precaution: Environmental precaution: Methods for cleaning up:	No special measures necessary. No special measures necessary. Mechanical cleaning.

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7 Handling and storage

Handling: No special measures necessary.

Storage: No special requirements.

8 Exposure controls and personal protection
during preparation of the product

Respiratory protection: No special requirements.
Hand protection: No special requirements.
Eye protection: No special requirements.
Skin protection: No special requirements.

9 Physical and chemical properties

Appearance/condition of aggregation: Geotextile/solid

Colour: white or multi-coloured
Odour: odourless
pH-value: not applicable

	Value	Unit
Melting point/melting range:	approx. 165, approx. 130	°C
Flash point:	-	
Inflammability:	- , approx. 440	°C
Temperature of decomposition:	-	°C
Density at 20 °C:	approx. 0.90, approx. 0.95	g/cm³
Solubility/miscibility in/with water:	insoluble	

10 Stability and reactivity

Conditions to avoid: -

Hazardous decomposition products: in case of combustion carbon monoxide/
                                    carbon dioxide may develop

11 Toxicological information

Effects which can arise in contact with skin: No irritation.
Effects which can arise in contact with eye: No irritation.

12 Ecological information
General advice: At present no effects are known.

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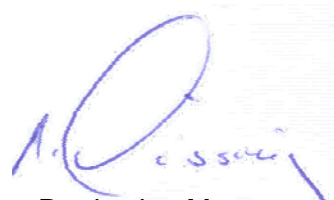|		
13	**Disposal considerations**	
	Product:	Residual material or excavated geotextiles resp. can either be disposed together with soil materials on landfill sites for debris, or with their high thermal values processed into secondary fuels and can be used in the production of cement and energy as a replacement for fossil raw materials.
	Contaminated packaging:	Contaminated packaging can also either be disposed together with soil materials on landfill sites for debris, or with their high thermal values processed into secondary fuels and can be used in the production of cement and energy as a replacement for fossil raw materials.
14	**Transport information**	
	Transport:	No dangerous goods according to national and international transport regulations.
15	**Regulatory information**	
	Label according to the directive:	No labelling is necessary according to the regulation of the European Community.
16	**Other information**	All data are based on our present knowledge, but do not represent a guarantee of product properties and do not create a contractual legal relationship.
	Person to contact:	Mr. Henning Ehrenberg, Mr. Norbert Vissing Phone: ** 49 (57 43) 41 - 326 or 41 - 421

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Quality Manager   Production Manager