

Material Safety Data Sheet

BASALTEX™
The thread of stone

ISO 9001

A Division of Group MASUREEL nv.

BASALT CONTINUOUS FILAMENT FIBERS

Date of Print: 19/11/08

Last revision: 19/11/08

1. Identity and Manufacturer Information Identity of the Product: Identity of the Manufacturer: Emergency Contact:	Basalt fibre components: yarns, rovings, chopped strands, fabrics, non-woven mats. BASALTEX - FLOCART nv Zuidstraat 18 B-8560 Wevelgem, Belgium Tel.: +32(0)56.420.662 Fax.: +32(0)56.424.234
2. Composition / Chemical Description	Textile products made of mineral continuous filament fibres with a nominal diameter >5µm. The products contain max 5% processing aids (e.g. paraffin, silane)
3. Risks Identification of the hazard: Health hazards: Short term hazard: Long term hazard: Environmental hazards :	N/A Not likely to occur, basalt continuous filaments can be a mechanical irritant: irritation of the skin, eyes and respiratory tract. There is no known health effect connected with long term use or contact with this product. N/A
4. Emergency and First Aid Procedures Inhalation: Skin contact: Eye contact: Ingestion:	No specific treatment is necessary as this material is not likely to be inhaled, unless the material is in dust form: see infra 8. Wash with soap and running water. Immediately flush with plenty of water. Get medical attention if problem develops. Ingestion of this material is unlikely. If it does occur, get medical attention.
5. Fire Fighting Procedure Suitable extinguishing media: Hazardous decomposition :	Not applicable. Product will not support combustion. None known.
6. Accidental Material Release or Spillage Personal protective equipment: Environmental protection: Cleaning procedures:	See infra 8. Prevent spread of basalt fibre dust and avoid dust-generating conditions. Vacuum clean dust. If sweeping is necessary, use a dust suppressant

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<p>7. Storage and Handling Precautions Handling & storage</p>	<p>No special procedures are required for this material.</p>		
<p>8. Exposure Limits and Personal Protective Equipment Fibrous basalt (Fibrous basalt dust), CAS No. 65997-17-3 Basalt fibre continuous filament</p> <p>Size (µm)</p> <p>Personal protective clothing and equipment Respiratory protection:</p> <p>Protective gloves: Eye protection: Body protection:</p>	<p>OSHA PEL (8 h TWA) 5 mg/m³ (respirable dust) 15 mg/m³ (total dust) 1 fibre/cm³ (proposed)</p> <p>N/A</p>	<p>ACGIH TLV (8 h TWA) 5 mg/m³ 1 fibre/cm³</p> <p>N/A</p>	<p>When, through mechanical processing, basalt dust is produced and when the dust levels exceed the recommended levels, use an approved respirator and local exhaust for the processing machines.</p> <p>Impervious gloves are recommended. Safety glasses are recommended, . Protect skin as much as possible by clothing.</p>
<p>9. Physical and Chemical Characteristics Appearance Colour Odour</p> <p>Safety Related Data Boiling point Melting point Vitrification point Decomposition point Inflammation point Self inflammation Explosion limits Specific gravity Solubility in water pH Vapour pressure Evaporation rate</p>	<p>solid green-brown very limited</p> <p>value N/A 1450±150 1050±100 N/A non-combustible not self-inflaming N/A 2.70 Insoluble 6 N/A N/A</p>	<p>unit °C °C °C °C g/cm³ mm Hg</p>	<p>method N/A - - N/A 20 °C 20 °C 20°C,100g/l (air = 1) (n-butyl acetate = 1)</p>
<p>10. Stability and Reactivity Data Stability: Conditions to avoid: Materials to avoid: Hazardous decomposition or by-products: Hazardous polymerisation Products:</p>	<p>Stable None known None known None known Will not occur</p>		

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11. Toxicology	The basalt continuous filament has diameter $>5\mu\text{m}$ and does not split longitudinally. Only when, through a mechanical process, the filaments are broken into dust particles, is the OSHA standard for nuisance dust of application (if the respirable fraction of 5 mg/m^3 is reached)
12. Ecology	N/A Basalt has its origin in nature.
13. Waste Disposal Methods Product Uncleaned packaging	This material is a non-hazardous waste and must be disposed of in accordance with local public regulations. Removal and recycling in accordance with local public regulations.
14. Transport Instructions	ADR / VLG: N/A IMCO: N/A IATA: N/A Non-hazardous transport goods according to above-mentioned instructions. Weather protection recommended.
15. Regulatory Information	In accordance to current EC-regulations: Refer to common precautions and local public regulations for handling of chemicals. According to the calculating method of the "General Classification Guidelines for Compositions in the EC", current edition at the moment of draft, the product has no labelling obligation.
16. Other Information	All data in this MSDS are based on the current state of knowledge, however they do not certify product properties and they do not justify legal liability. As Group Masureel Veredeling can not control the use of the end-product, the consumer has to determine under which circumstances the product can be used safely. This Material Safety Data Sheet is exclusively intended for professional use. Editing Department: Product Development Tel. : +32(0)56.420.662