

## Material safety data sheet.

### Section 1. Company and Material identification.

#### Company

KAMENNY VEK  
Dubna, 141980, Moscow Region, RUSSIA, P.O.Box 180  
Tel.: +7 49621 23370  
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#### Products

Products based on basalt continuous filament from Kamenny Vek including: basalt roving, basalt chopped strand, basalt fabric, basalt mesh, basalt mats and felts.

#### Ingredients

Basalt continuous filament >99 % Wt. (typical)  
Surface Binder/Sizing <0.6 % Wt. (typical)

#### Chemical composition of basalt continuous filament.

$\text{SiO}_2 \approx 50\% \text{ Wt.}$ , CaO, Na<sub>2</sub>O, FeO, Al<sub>2</sub>O<sub>3</sub>.

#### Chemical composition of surface binder/sizing.

All used surface binder/sizing are not hazardous and based on silane.

### Section 2. Physical data.

#### Material (at normal condition)

Solid

### Section 3. Fire and explosive.

#### Special fire fighting procedures

Non flammable

### Section 4. Reactivity data.

#### Stability

Stable

#### Hazardous decomposition products

None

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### Section 5. Toxicological information.

#### Effect of overexposure

*Acute* - Basalt continuous filaments may cause mechanical irritation to the skin, eye and upper respiratory tract.

*Chronic*- there is no known health effects connected with long term use or contact with this product.

**Precautions:** Avoid contact with eyes. Avoid contact with skin. Avoid breathing dust. Do not swallow. Do not eat, drink or smoke in work area. Wash thoroughly after handling .

### Section 6. Emergency and first aid procedures

**Inhalation.** Move person to fresh air. Seek medical attention if irritation persists.

**Eye contact.** Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin contact.** Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid more irritation, do not rub or scratch effected area. Seek medical attention if irritation persists.

**Ingestion.** Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur.

### Section 7. Personal protection.

**Respiratory protection.** If use or application of this product generates dust, use a filter respirator.

**Eye and face protection.** Standard safety glasses with side shields.

**Protective gloves.** Use gloves to protect against physical irritation or injury if required by handling conditions.

### Section 8. Ecological information

Basalt fiber is generally considered to be an inert solid waste. No special precautions are needed in case of release or spill.

### Section 9. Carcinogenicity status

These products are not listed as a carcinogens or suspected carcinogens by NTP, IARC or OSHA.