

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006  
Revision Date: 02 May 2024

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

**Product name:** Continuous mineral filament made of Volcanic rocks, enriched (enhanced) and aggregated batch recipe

**Product Reference:** Filava™ BSB+

**REACH No.:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

**CAS-No.:** 65997-17-3

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Industrial use (fibre reinforcement for composites, technical textiles, etc.)

### 1.3 Details of the supplier of the safety data sheet

**Company:** ISOMATEX S.A.  
Scientific Park CREALYS - Rue Camille Hubert 29  
5032 Gembloux (Isnes), Belgium

**Telephone:** +32(0)81.72.86.86

**Fax:** +32(0)81.72.86.89

**E-mail address:** info@isomatex.com

### 1.4 Emergency telephone

**Emergency Phone #:** +32(0)81.72.86.86

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.3 Other hazards

May cause eye or skin irritation with susceptible persons.

May cause irritation of respiratory tract.

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**CAS-No:** 65997-17-3

**Description:** Mineral fibre with binder (sizing)

**Synonyms: Roving:** Continuous Roving FILAVA™ BSB+ or FILAVA™ BSB+(1) or FILAVA™ BSB+(2); FILAVA™ BSB+(3) or FILAVA™ "S" or "S+"; FILAVA™ "G";

### 3.2 Mixtures

**Components Weight %:** Mineral fibre (Volcanic rocks Blended and Aggregated) continuous filament > 98,0 %. Organic surface binder/sizing < 2.0 %

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## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

<b>General advice:</b>	Immediate medical attention is not required.
<b>Inhalation:</b>	Generally, not applicable. Only, if necessary, move to fresh air. If symptoms persist, call a physician.
<b>Skin contact:</b>	Wash off with plenty of water. Use a mild soap if available. Use a washcloth to help remove fibres. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibres into skin. If skin irritation persists, call a physician.
<b>Eye contact:</b>	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur. Consult a physician if necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Water, carbon dioxide (CO<sub>2</sub>), foam, dry chemical.  
Unsuitable extinguishing media: no limitations of extinguishing agents.

### 5.2 Special hazards arising from the substance or mixture

Not combustible.  
Ambient fire may liberate hazardous vapours as Carbon monoxide, carbon dioxides and water

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

### 5.4 Further information

Mineral fibre (Volcanic rock aggregated) itself is non-combustible. The surface coating or otherwise called binder can burn. This may lead to the formation of hazardous decomposition products.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Ensure adequate ventilation.  
For personal protection see section 8.

### 6.2 Environmental precautions

No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up

Pick-up and arrange for disposal in a manner that avoids creating excessive dust.  
After cleaning, flush away traces with water.

### 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Technical measures/Precautions:** Take measures to prevent the build-up of electrostatic charge. Increasing mechanical stress may generate dust and airborne fibres, which may cause discomfort.

**Safe handling advice:** Avoid dust formation.

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions:** Store at room temperature and relative humidity less than 65% (+/- 10%) for optimum performance.

Keep in a dry place.

**Incompatible products:** None.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure controls

##### Exposure Limit Values

OSHA 15mg/m<sup>3</sup> (total dust.), 5mg/m<sup>3</sup> (respirable dust)

ACGIH 5 mg/m<sup>3</sup> TWA (inhalable fraction), 1 fibre/cm<sup>3</sup> (respirable fraction)

UK, IRL OEL 5mg/m<sup>3</sup> TWA (inhalable dust), 2 fibres/cm<sup>3</sup> (respirable fraction)

#### Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas.

### 8.2 Exposure controls

#### Personal protection equipment (PPE)

**Respiratory protection:** Effective dust mask. If use or application generates dust, use an appropriate respirator with a particulate filter.

**Hand protection:** Rubber or plastic gloves. Break through time: no data available.

**Eye protection:** Safety glasses with side-shields.

**Skin and body protection:** Lightweight protective clothing as loose-fitting long-sleeved shirt that covers to the base of the neck, long pants, and gloves. Skin irritation is known to occur chiefly at pressure points such as around neck, wrist, waist and between fingers.

**Hygiene measures:** General industrial hygiene practice. Regular cleaning of equipment, work area and clothing. Do not eat or drink when using.

**Environmental exposure controls:** No special environmental precautions required.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

**Appearance:** solid / fibres

**Colour:** Green/slightly Braun - light yellow

**Odour:** inodorous

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## Important Health, Safety and Environmental Information

<b>pH:</b>	not applicable (DIN 54276)
<b>Boiling point/range:</b>	not applicable
<b>Melting point /range:</b>	1.550°C
<b>Flash point:</b>	not applicable
<b>Freezing point:</b>	not applicable
<b>Evaporation rate:</b>	not applicable
<b>Flammability (solid, gas):</b>	not applicable
<b>Explosion limits:</b>	no data available
<b>Vapour pressure:</b>	not applicable
<b>Vapour density:</b>	not applicable
<b>Relative density:</b>	2,6 – 2,7 gr/cm <sup>3</sup> (expressed at ambient temperature)
<b>Solubility:</b>	Water solubility: insoluble
<b>Viscosity:</b>	not applicable
<b>Partition coefficient: n-octanol/water:</b>	not applicable
<b>Auto-ignition temperature:</b>	not applicable
<b>Decomposition temperature:</b>	not applicable
<b>Explosive properties:</b>	not applicable
<b>Oxidising properties:</b>	not applicable

### 9.2 Other safety information

Not available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable at normal conditions. Hazardous polymerization does not occur.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

High humidity environment

The product can give off smoke at approximately 200 - 260°C due to the decomposition of the surface coating / sizing.

### 10.5 Incompatible materials

None

### 10.6 Hazardous decomposition products

Carbon oxides and other hazardous combustion products from the surface coating.

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity, e.g. LD50:** No data available.

**Local effects:** May cause eye/skin irritation. May cause irritation of respiratory tract. Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

**Long term toxicity:** Health injuries are not known or expected under normal use

**Specific effects:** Not carcinogenic (97/69 EC, ACGIH, NTP, IARC, OSHA).

Continuous fibre is not on any list as a carcinogen.

### 11.2 Additional Information

There are no known chronic health effects related with long term use or contact with non-respirable continuous filament or fibres. As manufactured, ISOMATEX fibres are non-respirable. Non-respirable fibres cannot reach the deep lung because they have a diameter of greater than 3,0 micrometres. Fibres of this diameter cannot penetrate the narrow, bending passages of the human respiratory tract to reach the lower regions of the lung, and thus, have no possibility of causing serious pulmonary damage. Instead, they deposit on the surface of the upper respiratory tract, nose or pharynx. These fibres are then cleared through normal physiological mechanisms.

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## SECTION 12: Ecological information

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

Not applicable for inorganic substances

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

Insoluble

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Waste from residues / unused products:** Waste Code N°: EWC-Code 101103. Can be land filled, when in compliance with local regulations.

**Impure packaging:** Empty containers should be taken for local recycling, recovery or waste disposal.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: -                      IMDG: -                      IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -                      IMDG: -                      IATA: -

### 14.4 Packaging group

ADR/RID: -                      IMDG: -                      IATA: -

#### 14.5 Environmental hazards

ADR/RID: no    IMDG Marine pollutant: no    IATA: no

#### 14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

#### 14.7 Marine transport in bulk according to IMO instruments

Not classified as dangerous in the meaning of transport regulations.

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not a hazardous substance or preparation according to the regulation (CE) n°1272/2008 and the regulation (CE) 2020/878

#### 15.2 Chemical Safety Assessment

No data available

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### SECTION 16: Other information

**Recommended use:** Industrial Application

Data provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.