

## Firetape

Veiligheidsinformatieblad  
Volgens Verordening (EG) nr. 67/548

### SECTION 1 - IDENTIFICATION OF THE PREPARATION(S) AND THE COMPANY

#### Product names / codes:

Firetape, during fire swelling tape

#### Intended Use:

Professional use only. Fire protection applications including glazing tapes and door seals

#### Company:

Bloem Sealants BV  
Westvlietweg 69  
2490 Den Haag - Nederland  
T +31 (0)70 329 66 01 - F +31 (0)70 329 22 02  
[info@bloemsealants.com](mailto:info@bloemsealants.com) - [www.bloemsealants.com](http://www.bloemsealants.com)

#### Telephone number in case of emergency:

Land	Organisatie/Bedrijf	Adres	Noodnummer
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, NB this service is only available to health professionals	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88

### SECTION 2 - HAZARDS IDENTIFICATION

#### Hazard Statements:

1. None for the non-woven products (manufactured articles) covered by this MSDS
2. None for dust and fibres released during handling

Cutting through the material and surface scuffing may release small amounts of airborne mineral wool fibres or particles and carbon dust which are mechanically irritant to the eyes and skin, and irritant to the upper respiratory system.

As with any dust, pre-existing upper respiratory and lung diseases may be aggravated.

- 1) Under the European chemicals Regulation 1907/2006 REACH the TFP non-woven products listed in Section 1 above are considered to be articles - see Chapter 2, Art. 3 - Definitions, Para 3. These materials do not contain any substances of very high concern or substances intended to be released under normal foreseeable conditions of use.

Under Regulation 1907/2006 REACH Safety Data Sheets are only required for hazardous substances and mixtures / preparations; TFP Ltd is not therefore legally obliged to supply Safety Data Sheets for its non-woven products.

Despite this Technical Fibre Products Ltd has decided to provide its customers with information regarding the safe use and handling of the products listed above by means of this Material Safety Data Sheet.

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## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

Substance	CAS / EC No	% By Weight	Classification and Labelling Regulation EC 1272/2008	Classification and Labelling Directive 67/548/EEC
Mineral Wool <sup>1</sup>	287922-11-6	20 - 85	Not Classified	Not Classified
Exfoliating Graphite	7782-42-5 / 231-995-3	4.0 - 60	Not Classified	Not Classified
Polymeric Binder and Self Adhesive coating	N/A - polymer	5.0 - 30	Not Classified	Not Classified

1) Man-made vitreous silicate fibres of random orientation with alkaline oxide and alkali earth oxides ( Na<sub>2</sub>O + K<sub>2</sub>O+CaO+MgO+BaO ) content greater than 18 % by weight and fulfilling one of the Note Q conditions for increased bio-solubility.

Mineral wool fibres satisfying the Note Q conditions for increased bio-solubility are not classified as carcinogenic according to Directive 97/69/EC and Regulation EC 1272/2008 ( page335 of the JOCE L353 of 31 Dec 2008 )

Self adhesive products are supplied faced on one side with a Kraft release paper

## SECTION 4 - FIRST AID MEASURES

- Skin:** Rinse affected areas with water and wash gently with soap. Do not use detergent.
- Eyes:** Flush eyes with large quantities of water. Have eye bath readily available in areas where eye contact may occur. Seek medical attention if irritation continues.
- Ingestion:** Drink plenty of water. Seek medical advice.
- Inhalation:** Remove to fresh air, drink water and clear throat and blow nose to evacuate fibre/dust. Seek medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Use extinguishing agent suitable for then surrounding combustible materials.  
Do not inhale the products of combustion.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Do not allow dust or fibres to be wind blown.  
Unwanted product should be collected and stored in sealed bags.

Do not use compressed air to remove dust or fibres from or equipment

Dust and fibre deposits should be collected using a vacuum cleaner fitted with HEPA exhaust air filtration.  
The collected deposits and used vacuum cleaner bags should be sealed into poly-bags before disposal.

If sweeping is required the area should be thoroughly damped down with water before sweeping commences to prevent dust and fibres becoming airborne during sweeping

## SECTION 7 - HANDLING AND STORAGE

**Handling:** Keep dust generation to a minimum.

**Storage:** Store dry and cool.  
Keep sealed in original wrapping until required for use.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Applicable Workplace Exposure Limits** from HSE EH40/2005 - second edition 2011:

Machine made mineral fibre  
(excluding Refractory Ceramic Fibre and Special Purpose Fibres): 2.0 fibres/ml & 5 mg/m<sup>3</sup> (8 hr TWA)

Fine Carbon Dust: 3.5 mg/m<sup>3</sup> (8 hr TWA) and 7.0 mg/m<sup>3</sup> (15 minute reference)

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Respiratory Protection:** Use local exhaust ventilation systems where available to control airborne fibre levels. If workplace exposures exceed the limits wear a disposable dust respirator to EN149:2001 FFP2 minimum.

**Hand Protection:** The use of disposable nitrile rubber gloves is recommended.

**Eye Protection:** Wear goggles or safety glasses with side shields.  
Do not wear contact lenses.

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**Skin Protection:** Wear overalls that are loose fitting at the neck and wrists.

## SECTION 10 - STABILITY AND REACTIVITY

- Appearance:** Flexible grey fibrous mat with black speckles  
Self-adhesive backed variants are faced on one side with a kraft release paper .
- Density:** 200 - 500 kg/m<sup>3</sup>
- Expansion:** Rapid volumetric expansion occurs when the product is heated above 200°C.
- Flammability:** The material will support combustion for a short period only until the organic binder  
( plus any SAB coating and backing paper ) is burnt out or the resulting expansion self-extinguishes.
- Stability / Conditions to avoid:** Stable.
- Materials to avoid:** Strong oxidising agents, strong alkalis and hydrofluoric acid.
- Hazardous decomposition products:** Decomposition of the polymeric binder will occur at temperatures above 200°C releasing smoke, H<sub>2</sub>O, CO, CO<sub>2</sub> and hydrocarbons.  
When heated above 250°C the graphite will expand resulting in a thermally insulating char.
- Hazardous Polymerisation:** Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Mineral wool fibre:

#### Coarse Fibres:

In common with other man-made mineral fibres the vitreous silicate fibres in this product are mechanical irritants which may result in temporary irritation of the throat , eyes or skin.

#### Respirable Fibres:

The mineral wool fibres in these products contain fibres which are less than 3.0 µm diameter and greater than 5.0 µm long and which are classified as respirable.

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### **Animal Studies:**

Short term inhalation studies of rats exposed to high levels of stone wool fibres have shown that the long fibres are biodegradable and quickly disappear from the lungs.

### **Human Epidemiological studies:**

Large morbidity and mortality studies of both European and North American mineral wool manufacturing workers have been conducted with traditional mineral wools.

The studies found no significant evidence of non-malignant lung disease ( e.g. fibrosis ). The studies did not establish a causal relationship between exposure to traditional mineral wools and malignant diseases ( lung cancer or mesothelioma ).

The particular mineral wool fibre used in the products covered by this SDS is based on a new formulation with increased bio-solubility giving even more rapid clearance of fibres from the lungs compared with traditional mineral wools.

### **Graphite:**

Powdered graphite is non-toxic.

High levels of airborne graphite dust may be a mechanical eye irritant.

Skin contact with graphite dusts may cause temporary irritation due to mechanical effects; repeated prolonged exposures may lead to dermatitis.

Airborne graphite dust is an upper respiratory irritant; exposures may aggravate pre-existing upper respiratory and lung diseases.

Cases of pneumoconiosis, pulmonary fibrosis and emphysema have been reported in workers following prolonged exposures to high levels of airborne graphite dust.

### **Polymeric Binder and Self Adhesive coating:**

The Polymeric binder and SAB coating are considered to be non-hazardous

<b>SECTION 12 - ECOLOGICAL INFORMATION</b>
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This product will remain stable over time with the inorganic components remaining inert.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

Waste is not classified as a hazardous waste and may be disposed of at a normal licensed industrial waste site. Local regulations should be considered.

Waste should be bagged or suitably contained for disposal to prevent any dust or fibres being wind blown during disposal.

## SECTION 14 - TRANSPORT INFORMATION

Not regulated for Transport.  
Ensure that dust or fibres are not wind blown during transportation.

## SECTION 15 - REGULATORY INFORMATION

Product Hazard Classification according to Directive 67/548 EEC:

Not classified

Product Hazard Classification according to Regulation CE1272 / 2008 :

Article – not classified

## SECTION 16 - OTHER INFORMATION

Notes: Revised and re-issued 23 Oct 2013  
Section 1 : Product code 62851A added  
Section 8 : EH40 exposure limits - reference revised

Further information regarding working with man made mineral fibres and measurement techniques may be obtained by referring to Guidance Note EH46 1990 and MDHS59 1988 published by the UK, Health & Safety Executive.

This information only concerns the above named product(s) and may not be valid if used with other product(s) or for uses other than those described in Section 1. This information is to our best knowledge correct and complete but no guarantee can be given. It remains the responsibility of the user to make sure that the information is appropriate and complete for their particular use of the product.