

# FIBERCON EXPANDABLE FELT

According to Regulation (EC) No. 1907/2006 (REACH)

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

### 1.1. Product identifier

**Trade name:** Fibercon Expandable Felt 1600

**Type of product:** This product is an article under the REACH definition. As the Classification and labelling regulations (CLP) strictly applies to substances and mixtures it does not make provision for articles. However this product SDS and the defined labelling is provided voluntarily. As a duty of care to the user.

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture: Article  
For industrial use within high temperature applications.

#### 1.2.2. Uses advised against

No additional information available

### 1.3 Identification of the company

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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Not classified

Adverse physicochemical, human health and environmental effects

This product is an article and has not to be classified and labelled according to the current laws and regulations. A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP): P201 - Obtain special instructions before use.

P261 - Avoid breathing dust.

P280 - Wear Respiratory protection.

Extra phrases : Restricted to professional users

This product is an article and has not to be classified and labelled according to the current laws and regulations.

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### 2.3. Other hazards

Other hazards not contributing to the classification:

May cause mechanical irritation to the skin, eyes and respiratory system.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Not applicable

#### Comments:

Article

All products contain Polycrystalline wools (PCW), CAS 675106-31-7. substance with national workplace exposure limit(s)

#### Comments:

Fibercon Expandable Felt 1600 is ready to use products in high temperature applications

### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

First-aid measures after inhalation: Fibrous dust may be liberated when handling in use. If irritation to nose and throat, move to fresh air.

First-aid measures after skin contact: Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Ingestion unlikely. Drink plenty of water.

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

Symptoms/effects after inhalation: mechanical irritation.

Symptoms/effects after skin contact: mechanical irritation.

Symptoms/effects after eye contact: mechanical irritation.

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

Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media:

The product is not flammable. Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media :

Do not use a heavy water stream.

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

Fire hazard: Non flammable.

#### 5.3. Advice for firefighters

Firefighting instructions:

Prevent fire fighting water from entering the environment.

#### Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

### 6. ACCIDENTAL RELEASE MEASURES

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

##### 6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

Emergency procedures : Prohibit unauthorized persons.

##### 6.2. For emergency responders

Protective equipment : Ensure adequate ventilation. Concerning personal protective equipment to use, see section 8.

##### 6.3. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Avoid sub-soil penetration.

##### 6.4. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Minimize generation of dust. High efficiency particulate air filter (HEPA filter).

##### 6.5. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

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## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Precautions for safe handling:

Obtain special instructions before use. Avoid contact with eyes. Do not eat, drink or smoke when using this product. Clean contaminated areas thoroughly. Use personal protective equipment as required. Ensure good ventilation of the work station.

Hygiene measures:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Product must only be kept in the original packaging. Store tightly closed in a dry and cool place.

### 7.3. Specific end use(s)

For professional users only. See Heading 8. Exposure scenarios.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

<b>Fibercon Expandable Felt 1600</b>	
EU	Observe general threshold limit for dust.

### Exposure limit values for the other components

<b>Polycrystalline wools (PCW) (675106-31-7)</b>			
United Kingdom	Remark (WEL)	TWA 8 hr 2 f/ml; 5 mg/m <sup>3</sup> (total dust); Machine-made mineral fibres: Work place Exposure Limit EH40	

### 8.2. Exposure controls

#### Hand protection:

Leather protective gloves

#### Eye protection:

Safety glasses with side shields as appropriate.

#### Skin and body protection:

Wear suitable protective clothing. Do not take working clothes home

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## Respiratory protection:

If dust are formed : Wear appropriate mask



## Other information:

Do not eat, drink or smoke when using this product. Do not take working clothes home. Separate working clothes from town clothes. Launder separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Fibres
Colour	: White
Odour	: Odourless.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: > 1800 °C Fibres
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: < 1 mg/l
Log Pow	: No data available
Log Kow	: Not applicable
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not applicable

### 9.2. Other information

Other properties:

Length weighted geometric mean diameter of fibres contained in the product: 3-4 µm.

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### 10. STABILITY AND REACTIVITY

#### 10.1. Reactivity

Stable under normal conditions of use.

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

#### 10.4. Conditions to avoid

No additional information available.

#### 10.5. Incompatible materials

None.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Do contain organics and on first heating can liberate VOCs.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Acute toxicity (oral):

Not classified (Based on available data, the classification criteria are not met)

##### Acute toxicity (dermal):

Not classified (Based on available data, the classification criteria are not met)

##### Acute toxicity (inhalation):

Not classified (Based on available data, the classification criteria are not met)

##### Skin corrosion/irritation:

Not classified (Based on available data, the classification criteria are not met) pH: Not applicable

##### Serious eye damage/irritation:

Not classified (Based on available data, the classification criteria are not met)

pH: Not applicable

##### Respiratory or skin sensitisation:

Not classified (Based on available data, the classification criteria are not met)

##### Germ cell mutagenicity:

Not classified (Based on available data, the classification criteria are not met)

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### **Carcinogenicity:**

Not classified (Based on available data, the classification criteria are not met)

### **Additional information: Fibres**

(OECD 451 method)

Did not show carcinogenic effects in animal experiments

### **Reproductive toxicity:**

Not classified (Based on available data, the classification criteria are not met)

### **STOT-single exposure:**

Not classified (Based on available data, the classification criteria are not met)

### **STOT-repeated exposure:**

Not classified (Based on available data, the classification criteria are not met)

### **Aspiration hazard:**

Not classified (Not relevant)

### **Other information:**

Basic toxicokinetic

Exposure is predominantly by inhalation or ingestion. Man made vitreous fibres of a similar size to RCF/ASW have not been shown to migrate from the lung and/or gut and do not become located in other parts of the body. When compared to many naturally occurring minerals, RCF/ASW has a low ability to persist and accumulate in the body (half-life of long fibres (> 20 µm) in 3 week rat inhalation test is approx. 60 days).

### **Human toxicological data**

In order to determine possible human health effects following RCF exposure, the University of Cincinnati has been conducting medical surveillance studies on RCF workers in the U.S. The Institute of Occupational Medicine (IOM) has conducted medical surveillance studies on RCF workers in European manufacturing facilities.

Pulmonary morbidity studies among production workers in Europe and USA have demonstrated an absence of interstitial fibrosis and no loss in lung function was observed in the longitudinal study with RCF exposure.

A statistically significant correlation between pleural plaques and cumulative RCF exposure was evidenced in the USA longitudinal study.

The USA mortality study did not show evidence of increased lung tumour development either in the lung parenchyma or in the pleura.

### **Irritant Properties**

Negative results have been obtained in animal studies (EU method B 4) for skin irritation. Inhalation exposures using the nose only route produce simultaneous heavy exposures to the eyes, but no reports of excess eye irritation exist. Animals exposed by inhalation similarly show no evidence of respiratory tract irritation.

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Human data confirm that only mechanical irritation, resulting in itching, occurs in humans, Screening at manufacturers' plants in the UK has failed to show any human cases of skin conditions related to fibre exposure.

### 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

##### Ecology - general:

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

##### Acute aquatic toxicity:

Not classified (Based on available data, the classification criteria are not met)

##### Chronic aquatic toxicity :

Not classified (Based on available data, the classification criteria are not met)

#### 12.2. Persistence and degradability

N/A

#### 12.3. Results of PBT and vPvB assessment

Fibercon Expandable Felt 1600

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This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.4. Other adverse effects

No additional information available

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

##### Waste treatment methods:

Disposal must be done according to official regulations. European waste catalogue.

##### Sewage disposal recommendations:

Do not allow into drains or water courses.

##### Product/Packaging disposal recommendations:

Do not dispose of with domestic waste.



## FIBERCON EXPANDABLE FELT

<b>14. TRANSPORT INFORMATION</b>
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In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1 UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2 un proper schipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3 Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4 Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5 Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

**14.6. Special precautions for user**

- Overland transport  
Not applicable

- Transport by sea  
Not applicable

- Air transport  
Not applicable

- Inland waterway transport  
Not applicable

- Rail transport  
Not applicable

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

<b>15. REGULATORY INFORMATION</b>
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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

## FIBERCON EXPANDABLE FELT

### Other information, restriction and prohibition regulations:

This product is an article and has not to be classified and labelled according to the current laws and regulations.

Take note of Directive 94/33/EC on the protection of young people at work.

Take note of Directive 92/85/EC on the safety and health of pregnant workers at work.

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

## 16. OTHER INFORMATION

Indication of changes: General revision.

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

Data sources: ECHA (European Chemicals Agency).

Other information:

Please refer to specific technical data sheet for more information. Please refer to the list of products considered to be articles.