

# SIDERISE CBX flexible acoustic barriers for suspended ceilings

## 1. Identification of substance/mixture and of the company

### 1.1 Product identifier

SIDERISE CBX flexible acoustic barriers for suspended ceilings

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

Composite material offering durability and excellent sound barrier and absorbing qualities. The material is chemically inert, non-dusting and due to its flexibility is easily applied to curved surfaces or deformed to fit complex shapes. The product has the additional benefit of being exceptionally fire resistive, meeting the requirements of 'Class O' to Building Regulations.

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

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## Data for outer layers

(Please also refer to data for inner layer.)

### 1. Hazards identification

#### 1.1 Classification of substance or mixture

Not classified as dangerous according to EU Directives 67/548/EEC and 1999/45/EEC and its amendments (Regulation (EC) No 1272/2008) on classification, labelling and packaging of substances and mixtures.

#### 1.2 Label elements

In accordance with the REACH regulation there are no hazardous classifications associated with this product in respect to physical, health and environmental considerations.

#### 1.3 Other hazards

The mechanical effect of fibres in contact with skin may cause a temporary itching. Cutting and handling may create dust. Further information can be found in Section 8.

## 2. Composition/Information on ingredients

Substance	CAS number <sup>2</sup>	EC identification number	REACH registration number	Content (% weight)	Classification & labelling	
					EU Regulation 1272/2008	EU Directive 67/548/EEC
Glass mineral wool <sup>1&amp;3</sup>	None	926-099-9	01-211-947-2313-44-0030	95 - 99%	Not classified	Not classified
Thermosetting urea extended Phenol resin binder	None	-	-	Up to 5 %	Not classified	Not classified
Mineral oil emulsion; or	None	-	-	Up to 0.1%	Not classified	Not classified
Silicone oil emulsion	None	-	-	Up to 0.3%	Not classified	Not classified

<sup>1</sup> Man-made vitreous (silicate) fibres with random orientation with alkaline & 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 Nota Q conditions of EU Directive 97/69/EEC

<sup>2</sup> CAS-No.: Chemical Abstract Service

<sup>3</sup> Glass mineral wool insulation fibres are not classified carcinogenic according to Regulation (EC) 1272/2008

## 4. First aid measures

### 4.1 Description of first aid measures

#### 4.1.1 Inhalation

Remove from exposure into fresh air. If irritation occurs, clean throat by rinsing with cold, potable water and blow nose to clear dust.

#### 4.1.2 Skin contact

If irritation occurs, remove contaminated clothing and rinse under cold running water prior to washing skin gently with cold water and mild soap. Do not rub or scratch affected skin.

#### 4.1.3 Eye contact

If irritation occurs, check for and remove contact lenses, flush eyes with potable cold water. Do not rub eyes. If symptoms persist seek medical advice.

#### 4.1.4 Ingestion

If accidentally ingested, may cause transient irritation to the digestive tract. Rinse mouth and drink plenty of cold water.

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

The mechanical effect of fibres in contact with throat, skin or eyes may cause temporary irritation.

## 5. Fire fighting measures

### 5.1 Extinguishing media

#### 5.1.1 Suitable extinguishing media

Water, foam, carbon dioxide (CO<sub>2</sub>) or dry powder.

#### 5.1.2 Unsuitable extinguishing media

None.

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

Products are non-combustible and do not pose a fire hazard in use; however, some facings and packaging materials may burn. Products of combustion from product and packaging – carbon dioxide, carbon monoxide and some trace gases such as ammonia, nitrogen oxides and volatile organic substances.

### 5.3 Advice for firefighters

Observe normal firefighting procedures. Large fires in poorly ventilated areas or involving packaging materials may necessitate the use of respiratory protection / breathing apparatus..

## 6. Accidental release measures

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

No special requirements. In the presence of high concentrations of dust, it is recommended for comfort that long-legged, long-sleeved clothing and gloves in conformity with EN 388 and safety goggles in conformity with EN 166 are worn.

### 6.2 Environmental precautions

None required.

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

Use vacuum equipment or dampen down with water spray before sweeping.

### 6.4 Reference to other sections

Recommended personal protection equipment and waste disposal considerations are covered in sections 8 and 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Unpack materials at application site to avoid unnecessary handling of unwrapped product. Cut product using a knife. Use of power tools and saws are not recommended. Ensure adequate ventilation of workplace. Keep work areas clean. Do not eat, drink or smoke in work areas. Wash hands after use rinsing under cold water before using a mild soap. Change clothes and wash upon completing work.

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

All products should be stored in accordance with site specific risk assessments. Store material in original packaging until it is to be used. Store material to protect against damage or ingress of rain water/snow.

Store loose un-palletised product in a dry location. Delivered packed in polyethylene film on wooden pallets..

### 7.3 Specific end use(s)

Not relevant.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Machine-made mineral fibre (MMMF) workplace exposure limit (WEL) 5mg/m<sup>3</sup> gravimetric measure (total inhalable dust) and 2 fibres/ml airborne fibre limit, 8-hour time weighted averages (EH40).

## 8.2 Engineering controls

No specific requirements.

## 8.3 Individual protection measures, such as personal protective equipment

- a) **Eye protection:** Eye protection to EN 166 is advised, in particular when working with product above head height.
- b) **Skin protection:** Use of gloves in conformity with EN 388 is recommended to reduce the likelihood of mechanical itching. For comfort, it is recommended that long-legged, long sleeved work clothing is worn.
- c) **Respiratory protection:** In confined atmospheres or during operations which can generate or result in the emission of any dust, it is recommended that a disposable face mask complying with BS EN149 FFP1 or FFP2 should be used.
- d) **Hygiene:** After contact, wash hands with cold water and mild soap.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- a) **Appearance:** Solid
- b) **Form:** Roll, panel or loose fibre
- c) **Colour:** Light yellow
- c) **Odour:** None
- c) **pH:** Not relevant
- c) **Boiling point:** Not relevant
- c) **Flash point:** Not relevant
- c) **Flammability:** Not relevant
- c) **Explosive properties:** None
- c) **Density:** 9 to 48 kg/m<sup>3</sup>
- c) **Solubility:** Generally chemically inert and insoluble in water

### 9.2 Other information

Approximate nominal diameter of fibres: 3 - 6 µm.  
Orientation of fibres: Random.

## 10. Stability and reactivity

### 10.1 Reactivity

Not reactive.

### 10.2 Chemical stability

Binder will decompose above 230°C.

### 10.3 Possibility of hazardous reactions

Not reactive.

### 10.4 Conditions to avoid

Heating above 230°C.

### 10.5 Incompatible materials

None.

### 10.6 Hazardous decomposition products

None in normal conditions of use. Decomposition of binder above 230°C may produce carbon dioxide and some trace gases. The duration of release of decomposition products is dependent upon the thickness of the insulation, binder content and the temperature applied smoke.

## 11. Toxicological information

### 26.1 Information on toxicological effects

The mechanical effect of fibres in contact with throat, skin or eyes may cause temporary itching.

Carcinogenicity classification not applicable for this product; in accordance with European Directive 97/69/EC nota Q, products are assessed as free from suspicion of possible carcinogenic effects.

## 12. Ecological information

### 12.1 Toxicity

This product is not ecotoxic to water, soil or air, by composition.

### 12.2 Persistence and degradability

None.

### 12.3 Bioaccumulative potential

Will not bio-accumulate.

### 12.4 Mobility in soil

Not considered mobile.

### 12.5 Results of PBT and vPvB assessment

No assessment required.

### 12.6 Other adverse effects

None known.

## 13. Disposal consideration

### 13.1 Waste treatment methods

Product is classified as non-hazardous waste. Product is covered by the non-hazardous entry 17 06 04 in the European Waste Catalogue, established by EC Decision 2000/532/EC (hazardous waste). Dispose of product in accordance with local regulations and procedures in force within the country of use or disposal.

Dispose of packaging in accordance with local regulations and procedures in force within the country of use or disposal.

## 14. Transport information

### 14.1 UN number

Not applicable.

### 14.2 UN proper shipping name

Not applicable.

### 14.3 Transport hazard class(es)

Not applicable.

### 14.4 Packing group

Not applicable.

### 14.5 Environmental hazards

Not applicable.

### 14.6 Special precautions for user

None specified.

## 15. Regulatory information

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

The European Regulation on Chemicals No 1907/2006, Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) enacted on June 1st 2007 requires the provision of a safety data sheet for hazardous substances and mixtures/preparations.

SIDERISE mineral wool products (mat, batts, rolls or loose fibres), are defined as articles under REACH and therefore a safety data sheet for these products is not a legal requirement.

In accordance with industry practice, SIDERISE voluntarily makes REACH compliant safety data sheets available for their products to ensure that health and safety information is provided in a recognized standard format for the purpose of assuring safe handling and use of our mineral wool throughout the product life.

This safety data sheet has been prepared in accordance with EU Directives 67/548/EEC, 1999/45/EEC, and Regulations (EC) 1907/2006 (REACH), 1272/2008 (CLP) and 453/2010.

### 15.2 Chemical safety assessment

Not required.

### 15.3 Important notice

The information included in the safety data sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.

No liability will be accepted (except as by specified by law) for use of information taken from this safety data sheet. It is the responsibility of the user of this product to observe the rules and regulations.

This information refers specifically to the products described and cannot be used for other products.

## 16. Other information

### 16.1 Standard information

HSE Guidance Note EH40 - Occupational Exposure Limits.

This safety data sheet does not constitute a workplace risk assessment.

Information contained in this document represents the state of our knowledge regarding this product as of the date of issue. Attention of users is drawn to possible risks taken when the product is used for other applications than the ones it has been designed for.

All SIDERISE products are packaged to agreed packaging communication standards to ensure that the installation is safe, clean, and conforms to local regulations.

In 2001, the International Agency for Research on Cancer (IARC), reclassified glass mineral wool fibres from Group 2B (possibly carcinogenic) to Group 3 (agent which cannot be classified as for their carcinogenicity to humans). (See Monograph Vol 81, <http://monographs.iarc.fr/>).

### 16.3 Indication of changes

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## Data for inner layer

(Please also refer to data for outer layers.)

### 17. Hazards identification

#### 17.1 Main hazards

Normally, the product is not dangerous.

#### 17.2 Specific risks

None.

### 18. Composition/Information on ingredients

#### 18.1 Identification of substance or preparation

Mineral fillers, polymeric based (PP, PE), plasticizers. Plastics, aluminium, porous felt.

#### 18.2 Representative hazardous substances for health or environment

None.

#### 18.3 Substances declared as not classified as hazardous

None.

### 19. First aid measures

#### 19.1 Description of first aid measures

##### 19.1.1 Inhalation

Inhaling fumes may cause irritation of the nose or throat or coughing. Go out into fresh air.

##### 19.1.2 Skin contact

No risk at room temperature. In contact with hot material cool by water, and don't remove from skin. Go to a medical centre.

##### 19.1.3 Eye contact

None.

##### 19.1.4 Ingestion

None.

## 20. Fire fighting measures

### 20.1 Extinguishing media

#### 20.1.1 Suitable extinguishing media

Foams, dry chemical powder, carbon dioxide, sand and water sprinkler (mist).

#### 20.1.2 Unsuitable extinguishing media

In the case of big fires, do not use a water blast.

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

Exposure to decay products can entail health risks.

### 20.3 Advice for firefighters

Fire-fighting personnel must be equipped with independent, insulating breathing protection against smoke and decay products.

## 21. Accidental release measures

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

No special requirements.

### 21.2 Environmental precautions

None required.

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

None required.

## 22. Handling and storage

### 22.1 Precautions for safe handling

No specific measures.

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

Stored in places protected from the sun and the weather. Avoid temperatures below 5°C, as well as over 35°C.

### 22.3 Specific end use(s)

Do not store without the protective packaging film.

## 23. Exposure controls/personal protection

### 23.1 Control parameters

Not applicable.

### 23.2 Exposure controls

#### 23.2.1 Individual protection measures, such as personal protective equipment

- a) **Eye protection:** Does not present specific risks.
- b) **Skin protection:** Not applicable.
- c) **Respiratory protection:** Does not present specific risks.
- d) **Hand protection:** Does not present specific risks.

### 23.3 Environment exposure control

Not applicable.

## 24. Physical and chemical properties

### 24.1 Information on basic physical and chemical properties

- a) **Appearance:** Solid at room temperature
- b) **Odour:** Characteristic
- c) **pH (at 1000g/H<sub>2</sub>O, 25°C):** Not applicable
- d) **Melting point:** > 230°C
- e) **Initial boiling point and boiling range:** Solid material therefore not applicable
- f) **Flash point:** Not applicable
- g) **Evaporation rate:** Solid material therefore not applicable
- h) **Upper/lower flammability or explosive limits:** Not applicable
- i) **Vapour pressure:** Solid material therefore not applicable
- j) **Vapour density:** See above - solid material therefore not applicable
- k) **Relative density:** 2g/cm<sup>3</sup>
- l) **Solubility(ies):** Insoluble in water; partially soluble in the majority of organic solvents
- m) **Viscosity:** Solid material therefore not applicable.
- n) **Explosive properties:** Not applicable

### 24.2 Other information

No further chemical or physical properties to report.

## 25. Stability and reactivity

### 25.1 Conditions to avoid

Stable under normal storage conditions.

### 25.2 Materials to avoid

None.

### 25.3 Hazardous decomposition products

Incompleted combustion can produce heavy smokes and products such as CO, CO<sub>2</sub>, SO<sub>2</sub>.

## 26. Toxicological information

### 26.1 Information on toxicological effects

- a) **High toxicity:** Not applicable
- b) **Irritation:** Not applicable
- c) **Sensitiveness:** Not applicable
- d) **Chronic toxicity:** Not applicable
- e) **Exposure tracts:** Not applicable
- f) **Additional information:** None

## 27. Ecological information

### 27.1 Toxicity

There are no known adverse effects on the environment.

### 27.2 Persistence and degradability

Low biodegradability.

### 27.3 Bio-accumulative potential

Not applicable.

### 27.4 Mobility

Not applicable.

### 27.5 Other adverse effects

Not applicable.

## 28. Disposal consideration

### 28.1 Waste treatment methods

No special recommendation. Inert waste disposal must be conducted in approved landfills, observing local regulations.

### 28.2 Packaging

No special recommendation. As an inert residue, its removal must be carried out in authorised dumps, in compliance with local regulations.

## 29. Transport information

### 29.1 UN number

Not applicable.

### 29.2 UN proper shipping name

Not applicable.

### 29.3 Transport hazard class(es)

Not applicable.

### 29.4 Packing group

Not applicable.

### 29.5 Environmental hazards

Not applicable.

### 29.6 Special precautions for user

None specified.

## 30. Regulatory information

### 31.1 Important notice

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## 32. Other information

### 32.1 Standard information

According to the Directive 67/548/EEC and 1999/45/EC, the product is not hazardous within the meaning of that directive.

Phrases R: None.

Phrases S: None

### 32.2 Additional information

This safety data sheet refers specifically to the products listed and can not be used in other products.

This information reflects directive 2001/58/EC.

Date prepared: 15 May 2015

## Further information

### TECHNICAL SUPPORT

For further information please contact our Interiors technical team at the address below.

### PRODUCTS & TECHNICAL INFORMATION

Visit our website for product information and free technical downloads.



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