

Siderise[®] MC

Mullion Cover Fire & Acoustic Core

SAFETY DATA SHEET

To be used in conjunction with Siderise[®] MC
Mullion Cover Metal Assemblies MSDS

December 2021



SIDERISE[®]
integrity in all we do

Siderise MC mullion cover fire and acoustic core

1. Identification of substance/mixture and of the company

1.1 Product Identifier	MC Mullion Cover Fire and Acoustic Core
1.2 Relevant identified uses of the substance or mixture and uses advised against	Acoustic insulation. No uses advised against for physical health and environmental considerations as covered by REACH. In terms of site use, the product shall be used in accordance with technical guidance published by Siderise.
1.3 Details of the supplier of the safety data sheet	Siderise (Special Products) Ltd, Lady Lane Industrial Estate, Hadleigh, Suffolk, IP7 6BQ Tel: +44 (0) 1473 827695 Email: technical.sspl@siderise.com; Web: www.siderise.com
1.4 Emergency telephone number	Siderise office 9am to 5pm - Tel: +44 (0) 1473 827695

2. Hazards identification

2.1 Classification of the substance or mixture	There is no hazard statement associated with this material. Mineral wool is not classified as dangerous according to EU Directives 67/548/EEC and 1999/45/EC and its amendments (Regulation (EC) No 1272/2008) on classification, labelling and packaging of substances and mixtures.
2.2 Label elements	The overall conclusion in accordance with the REACH regulation is that there are no hazardous classifications associated with stone wool fibres in respect to physical, health and environmental considerations.
2.3 Other hazards	The Use of high speed cutting tools can generate dust. When heated to approximately 2000C for the first time, release of binder components and binder decomposition products can occur which, in high concentrations, may irritate the eyes and respiratory system. Further information can be found in Section 8.

3. Composition/Information on ingredients

Substance	EC identification number	REACH registration number	Content (% weight)	Classification, labelling & packaging	
				EU Regulation 1272/2008	EU Directive 67/548/EEC
Stone wool ¹	926-099-9	01-211-947-2313-44	95-100%	Not classified ²	Not classified
Synthetic thermosetting polymer binder	—	—	0-5%	Not classified	Not classified
Mineral oil	—	—	0-0.005%	Not classified	Not classified

¹ Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight and meeting the requirements of Note Q of EU Directive 97/69/EEC.

² Stone wool insulation fibres are not classified as carcinogenic in accordance with Note Q of EU Directive 97/69/EEC and Regulation 1272/2008 (page 335 of the Official Journal of the European Union, JOCE L353, 31 December 2008).

3.1 Facing materials	Sidersie stone wool insulation products may be supplied faced with various common materials such as aluminium foil, mineral tissue/scrim/fleece, polyethylene/polypropylene film, cementitious board, etc.
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4. First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

In case of discomfort, leave dusty area. Blow nose and rinse throat with clean water to clear any dust.

4.1.2 Skin contact

In case of discomfort, remove contaminated clothing and wash skin gently with clean cold water and mild soap.

4.1.3 Eye contact

In case of contact with eyes, rinse abundantly with clean water for at least 15 minutes.

4.1.4 Ingestion

If ingested, drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

The mechanical effect of fibres in contact with skin can cause temporary itching.

4.3 Indication of any immediate medical attention and special treatment needed

None required. If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

5. Fire fighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Water, foam, carbon dioxide or dry powder.

5.1.2 Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

Unfaced products are non-combustible and do not pose a fire hazard. Some facings and packaging materials may burn.

5.5 Advice for fire fighters

Observe normal firefighting procedures.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special requirements. In situations where there are high concentrations of dust, use personal protective equipment as described in Section 8.

6.2 Environmental precautions

None required.

6.3 Methods and materials for containment and cleaning up

Spray with water before sweeping or use vacuum equipment.

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

Handle in accordance with good hygiene and safety practice. Recommended personal protection equipment and waste disposal considerations are covered in Sections 8 and 13.

7.2 Conditions for safe storage, including any incompatibilities

None required.

8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limit (WEL) 5mg/m³ gravimetric measure (total inhalable dust) and 2 fibres/ml airborne fibre limit,

8-hour time weighted averages. HSE guidance assumes that the gravimetric measure would be reached before the fibre measure.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

No specific requirements.

8.2.2 Individual protection measures, such as personal protective equipment

a) Eye protection: With heavy dust development or particularly when working with product above shoulder height, the use of safety goggles to EN166 is advised.

b) Skin protection: Cover exposed skin for comfort.

c) Hand protection: It is recommended that gloves in conformity with EN 388 are worn for comfort.

d) Respiratory protection: If the WEL is likely to be exceeded (for example when using high speed cutting tools or when working in confined spaces) disposable face masks complying with BS EN149 FFP1 or FFP2 should be used and are suitable for most applications. When insulation wool is heated to approximately 2000C for the first time, release of binder components and binder decomposition products occurs. The fumes can be detected by their acrid odour and high concentrations of these gases may irritate the eyes and respiratory system. In general, decomposition products from pyrolysis or burning of organic material can cause respiratory sensitisation. There are no recorded incidents of respiratory sensitisation from gases released from Siderise products. However, general dilution ventilation and/or local exhaust ventilation should be provided as necessary to control exposure to fumes when high temperature appliances are first put into service.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Form: Form: Mineral Fibre / Aluminium foil faced, mineral filled polymer.

b) Odour: Not applicable.

c) Odour threshold: See above - no odour therefore not applicable.

d) pH (at 1000g/H₂O, 25OC): Neutral or slightly alkaline (pH7-9)

e) Melting point: Above 1000°C. The limiting temperature applicable for use is dependant upon specific product type and intended application and must be taken from the appropriate Siderise data sheet.

f) Initial boiling point and boiling range: Solid material therefore not applicable

- g) **Flash point:** A1 non-combustible (ref UK and Ireland Building Regulations)
- h) **Evaporation rate:** Solid material therefore not applicable
- i) **Flammability:** A1 non-combustible (ref. UK and Ireland Building Regulations)
- j) **Upper/lower flammability or explosive limits:** See above -non-combusitble therefore not applicable
- k) **Vapour pressure:** Solid material therefore not applicable
- l) **Vapour density:** See above - solid material therefore not applicable
- m) **Relative density:** Solid material therefore not applicable
- n) **Solubility(ies):** Generally chemically inert and insoluble in water
- o) **Partition coefficient n-octanol/water:** Solid material therefore not applicable
- p) **Auto-ignition temperature:** Not applicable
- q) **Decompression temperature:** Solid material therefore not applicable
- r) **Viscosity:** Solid material therefore not applicable
- s) **Explosive properties:** A1 non-combustible (ref. UK and Ireland Building Regulations)
- t) **Oxidising properties:** Non-oxidising material therefore not applicable

No further chemical or physical properties to report.

9.2 Other information

10. Stability and reactivity

- 10.1 **Reactivity** Not reactive.
- 10.2 **Chemical stability** Stable.
- 10.3 **Possibility of hazardous reactions** Not reactive.
- 10.4 **Conditions to avoid** None specified.
- 10.5 **Materials to avoid** None specified..
- 10.6 **Hazardous decomposition products** When insulation wool is heated to approximately 200OC for the first time(s), release of binder components and binder decomposition products occurs.

11. Toxicological information

- 11.1 **Information on toxicological effects**
 - a) **Acute toxicity:** No acute toxicity
 - b) **Irritation:** The mechanical effect of fibres in contact with skin can cause temporary itching
 - c) **Corrosivity:** No corrosivity
 - d) **Sensitisation:** No sensitisation.
 - e) **Repeated does toxicity:** No repeated dose toxicity

11.1 Information on toxicological effects (continued)

f) Carcinogenicity: Owing to their high bio-solubility, the fibre types of Siderise stone wool insulation materials are assessed as free from suspicion of possible carcinogenic effects in accordance with EU Directive 97/69/EC (Note Q). In October 2001, the International Agency for Research on Cancer (IARC) classified mineral wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans). i.e. not classified as possibly carcinogenic to humans. Furthermore, there are no hazardous classifications associated with stone wool under REACH Regulations.

g) Mutagenicity: No mutagenicity

h) Toxicity for reproduction: No toxicity for reproduction

12. Ecological information

12.1 Toxicity	None.
12.2 Persistence and degradability	None.
12.3 Bio-accumulative potential	None.
12.4 Mobility in soil	None.
12.5 Result of PBT and vPvB Assessment	No assessment required.
12.6 Other adverse effects	Relying on entrapped air for its thermal properties, Siderise does not and never has used blowing agents with Ozone Depleting Potential or Global Warming Potential.

13. Disposal consideration

13.1 Waste treatment methods	Stone wool material is recyclable. Stone wool insulation is classified as non-hazardous waste. Stone wool insulation waste is covered by the nonhazardous entry "17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03" in the European Waste Catalogue, established by Decision 2000/532/EC (hazardous waste). Under landfill regulations Siderise insulation waste is categorised as "waste accepted at landfills for non-hazardous waste" in accordance with Decision 2003/33/EC.
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14. Transport information

14.1 UN number	Not applicable.
14.2 UN proper shipping name	None reported.
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 substance or mixture

The overall conclusion in accordance with the REACH regulation is that there are no hazardous classifications associated with stone wool fibres in respect to physical, health and environmental considerations.

15.2 Chemical safety assessment

No assessment 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.

16. Other information

16.1 Additional information

Stone wool fibres are exonerated from classification as a carcinogen in accordance with EU Directive 97/69/CE and Regulation EC 1272/2008. The Siderise stone wool fibres are subject to independent assessment of compliance by the European Certification Board for Mineral Wool Products (EUCEB, www.euceb.org) on an ongoing, voluntary basis.

Health and Safety Executive Guidance Note EH40 – Occupational Exposure Limits.

Health and Safety Commission “The Chemicals (Hazard Information and Packaging for Supply) Regulations” - ‘CHIP’.

Hazardous waste regulations

List of Wastes/European Waste Catalogue (EWC).

Environment Agency Technical Guidance WM2,

“Interpretation of the definition and classification of hazardous waste”.

Landfill regulations

MIMA/Eurisol Health Statement.

This safety data sheet has been prepared in accordance with European Commission Regulation (EU) No 453/2010 (REACH).

This safety data sheet does not constitute a workplace assessment.

The information provided represents the state of our knowledge regarding this material at the date of its publication.

The information provided does not constitute a product specification and no warranty expressed or implied is hereby made.

The information relates only to the specific material designated when used in applications it has been designed for. This information may not be valid for such material used in combination with any other materials or in any other processes, unless specified in the text.

16.2 Indication of changes

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Data for mass layer

(Please also refer to data for base material.)

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/H₂O, 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/cm³
- 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, CO₂, SO₂.

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 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.

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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.

Further information

Technical support

For further information please contact the technical team:
technical.services@siderise.com

Products & technical information

visit our website for further product information and free technical downloads:
www.siderise.com

Company	Siderise (Special Products) Ltd, Lady Lane Industrial Estate, Hadleigh, Suffolk, IP7 6BQ
Trade Name	Siderise (Special Products) Limited
Revised on	20 December 2021
Authorised by	M Carrick
Product name	Siderise insulation products
Changes made	
Additional Information	This safety data sheet refers specifically to the products listed and cannot be used in other products.



Siderise (Special Products) Ltd,
Lady Lane Industrial Estate,
Hadleigh, Suffolk, IP7 6BQ

Tel: +44 (0) 1473 827695
E: technical.sspl@siderise.com

www.siderise.com

