

MATERIAL SAFETY DATA SHEET

Product name	Quelfire MW Mineral Wool Shuttering Slab
Product Code(s)	MW/SLAB
Revision Date	01/01/2021
Revision number	02

Section 1: Identification of the substance/mixture and of the company / undertaking

1.1. Product identifier

Product name	Quelfire MW Mineral Wool Shuttering Slab
Product Code	MW/SLAB

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

Thermal insulation, acoustic insulation and fire protection in building construction applications.
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 Quelfire.

1.3. Details of the supplier of the safety data sheet

Company Name	Quelfire Limited Springvale Industrial Estate Millbuck Way Sandbach CW11 3HT
Tel	0161 928 7308
Fax	0161 924 1340
Email	technical@quelfire.co.uk

1.4. Emergency telephone number

Emergency telephone number	0161 928 7308 (Office hours only)
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Section 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification under CLP	Not Classified
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2.2. Label elements

This product has no label elements

2.3. Other hazards

Use of a high-speed cutting tools can generate dust.
If in contact with constant heat >175°C, the binder will be slowly broken down.
Further information can be found in section 8

Section 3: Composition/information on ingredients

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3.1. Substances

Substance	EC Id No.	REACH Reg No.	%	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)
Stone wool ¹	926-099-9	01-211-947-2313-44	95 - 100	Not classified ²
Synthetic thermosetting polymer binder			0 - 5	Not classified
Mineral oil			0 - 0.5	Not classified
Silicon oil/ emulsion ³			0 - 0.5	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 fulfilling one of the Nota Q conditions of Regulation 1272/2008.

² Not classified H351 'suspected of causing cancer'. Stone wool fibres are not classified carcinogenic according to Nota Q of Regulation 1272/2008.

³ Silicon oil/emulsion is used in place of mineral oil in certain products such as preformed pipe sections.

3.2. Facing Materials

No data available

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact	If itching occurs, remove contaminated clothing and wash skin gently with cold water and mild soap.
Eye contact	Bathe the eye with running water for 15 minutes
Ingestion	Drink plenty of water if accidentally ingested.
Inhalation	Remove from exposure. Rinse the throat and clear dust from airways.

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

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

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

Immediate/special treatment	None required. If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.
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Section 5: Fire-Fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Water, foam, CO ₂ and dry powder
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	Use normal body and respiratory protection for fire
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5.3. Advice for fire-fighters

Advice for fire-fighters	The unfaced product is non-combustible, some packaging materials or facings may however be combustible.
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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Refer to section 8 'Exposure controls/ personal protection'.

6.2. Environmental precautions

Environmental	None required
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6.3. Methods and materials for containment and cleaning up

Clean-up procedures	Vacuum cleaner or dampen with water spray prior to sweeping up.
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6.4. Reference to other sections

Refer to section 8 'Exposure controls/ personal protection' & Section 13 'Waste Disposal'

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements	No specific measures. Preferably use a knife for cutting. If a power tool is used, provide effective dust extraction. Ensure adequate ventilation of workplace. Avoid unnecessary handling of unwrapped product
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Product should be kept dry
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7.3. Specific end use(s)

Specific end use(s)	No data available
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Section 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. (Ref. HSE EH40).

8.2. Exposure controls

Engineering measures	No specific requirements
Respiratory protection	When working in unventilated areas or during operations which can generate emission of various dusts, wearing a disposable face mask in accordance with EN 149 FFP1 is recommended. At high temperatures not usually found in building construction (>175°C), the product binder will slowly decompose, and trace gases will be released. When high temperature appliances are first put into service, gases could be vented to control exposure to fumes or appropriate respirators used.
Hand protection	Use gloves conforming with EN 388 to avoid itching.
Eye protection	Wear goggles if working above shoulders or where there is heavy dust development. Eye protection to EN 166 is advised.
Skin protection	Cover exposed skin

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Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	Grey-Green
Odour	Odourless
pH	Not relevant
Melting point	>1000°C
Initial boiling point and range	Not relevant
Flash point	Not relevant
Evaporation rate	Not relevant
Flammability	Not relevant
Upper/ lower flammability or explosive limit	Not relevant
Vapour pressure	Not relevant
Vapour density	Not relevant
Relative density	140 kg/m ³
Solubility (ies)	Generally, chemically inert and insoluble in water
Partition coefficient n-octanol/ water	Not relevant
Auto-ignition temperature	Not relevant
Decomposition temperature	When heated to 175°C for the first time, release of binder decomposition products occurs
Viscosity	Not relevant
Explosive properties	Not relevant
Oxidising properties	Not relevant

9.2. Other information

No data available

Section 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Not reactive

10.4. Conditions to avoid

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None specified

10.5. Incompatible materials

None specified

10.6. Hazardous decomposition products

When heated to 175°C for the first time, release of binder decomposition products occurs

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Not classified
Irritation	In case of coarser fibres there can be mechanical effects on the skin, upper respiratory system (mucous membranes) and eyes that can cause temporary, self-fading effects (e.g. itching). No chemical effects ensue
Corrosivity	No corrosivity
Sensitisation	No sensitisation
Repeated dose toxicity	No repeated dose toxicity
Carcinogenicity	None. Owing to its high bio-solubility, the fibre used in stone wool insulation materials is assessed as free from suspicion of possible carcinogenic effects in accordance with Regulation (EC) No 1272/2008 (ref. Nota Q). In October 2001, the international Agency for Research on Cancer (IARC) classified stone wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans) i.e., not suspected of causing cancer in humans.
Mutagenicity	No mutagenicity
Toxicity for reproduction	No toxicity for reproduction

Section 12: Ecological information

12.1. Toxicity

None. This product is not expected to cause harm to animals or plants during normal conditions of use. Stone wool is principally made from non-scarce rock material and recycled stone wool.

12.2. Persistence and degradability

None

12.3. Bioaccumulative potential

None

12.4. Mobility in soil

None

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/ vPvB substance

12.6. Other adverse effects

Relying on entrapped air for its thermal properties, the product does not, and never used blowing agents with Ozone depleting potential or Global Warming Potential.
No flame retardants are added.

Section 13: Disposal considerations

13.1. Waste treatment methods

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This product is recyclable. MW shuttering slab insulation is classified as non-hazardous waste and is covered by the non-hazardous 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 EC Decision 2000/532/EC (hazardous waste). Under landfill regulations MX shuttering slab insulation is categorised as 'waste accepted at landfills for non-hazardous waste' in accordance with EC decision 2003/33/EC (landfill acceptance criteria).

Section 14: Transport information

This product does not require a classification for transport

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

Section 15: Regulatory information

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

The overall conclusion in accordance with the CLP, GHS and REACH regulations is that there are no hazardous classifications associated with MW shuttering slab fibres in respect to physical, health and environmental aspects.

15.2. Chemical Safety Assessment

Chemical Safety Assessment	No chemical safety assessment has been carried out
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Section 16: Other information

Other information	<p>This safety data sheet is prepared in accordance with Annex II to Regulation (EC) No 1907/2006 (REACH), as amended by Commission Regulation (EU) No 2015/830.</p> <p>Although REACH Regulations do not require a safety data sheet to be provided for stone wool insulation, this format has been used to provide a standardized health and safety information.</p> <p>The MW shuttering slab is made of fibres exonerated from classification as a carcinogen in accordance with Regulation (EC) No.1272/2008 (ref. Nota Q)</p>
Legal disclaimer	<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.</p>