

MATERIAL SAFETY DATA:

Quelfire MW Mineral Wool Shuttering Slab

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Product name	Quelfire MW Mineral Wool Shuttering Slab	
Product Code(s)	MW/SLAB	
Revision Date	01/04/2025	
Revision number	04	

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

1.2.1 Relevant identified uses

Main use category	Professional use
Industrial/ Professional use spec	For professional use only
Use of the substance/ mixture	N/A

1.2.2 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 Unit 4 Spitfire Road Wardle Nantwich Cheshire CW5 6HT
Tel	0161 928 7308
Email	technical@quelfire.co.uk

1.4 Emergency Telephone Number

Emergency Telephone Number	(+44) 0161 928 7308
Language	English
Operating Hours	Monday – Friday 8am – 5pm GMT
Call 999 for Emergency. Call 111 for non-emergency medical advice	

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SECTION 2: Hazards Identification

2.1 Classification of the substance of mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Not Classified
Adverse physicochemical, human health and environmental effects	To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2 Label elements

Label according to Regulation (EC) No. 1272/2008 [CLP]	
EUH-statement	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

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SECTION 3: Composition/information on ingredients

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 Mixtures

Not applicable

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SECTION 4: First aid measures

4.1 Description of first aid measures

General	If you feel unwell, seek medical advice
Skin contact	If itching occurs, remove contaminated clothing and wash skin gently with cold water and mild soap.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/ attention
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

Symptoms/ effects after skin contact	May cause slight irritation to the skin.
Symptoms/ effects after eye contact	May cause minor eye irritation
Symptoms/ effects after ingestion	May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract
Symptoms/ effects after inhalation	May cause minor irritation to the respiratory tract and to other mucous membranes

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.

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SECTION 5: Fire-Fighting measures

5.1 Extinguishing media

Suitable Extinguishing Media

Water spray. Dry Powder. Foam. Carbon Dioxide

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire

The unfaced product is non-combustible, some packaging materials or facings may however be combustible.

5.3 Advice for firefighters

Protection during firefighting

Do not attempt to act without suitable protective equipment.
Self-contained breathing apparatus. Complete proactive clothing.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures

No additional information available

6.1.2. For emergency responders

Protective equipment

Do not attempt to take action without suitable protective equipment.
For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

None required

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Vacuum cleaner or dampen with water spray prior to sweeping up.

Other Information

Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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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
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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)

No additional information 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

8.2.1 Appropriate engineering controls:

Ensure good ventilation of the workstation.

8.2.2 Personal protective equipment:

Dust formation: dust mask. Gloves

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

Safety glasses: Wear suitable eye wear if working above shoulders or where there is heavy dust development. Eye protection to EN 166 is advised.

Type	Field of application	Characteristics	Standard
Safety glasses			EN 166

Skin and body protection:

Wear suitable protective clothing

Personal protective equipment symbol(s):



8.2.3 Environmental exposure controls:

Avoid release to the environment

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Colour	Green-grey
Odour	Odourless
pH	No Data Available
Melting point	>1000°C
Freezing point	No Data Available
Boiling point	No Data Available
Flash point	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Flammability	No Data Available
Vapour pressure	No Data Available
Relative vapour density at 20°C	No Data Available
Relative density	140 kg/m ³
Solubility	Generally, chemically inert and insoluble in water
Partition coefficient n-octanol/ water (Log Pow)	No Data Available
Viscosity, Kinematic	No Data Available
Viscosity, dynamic	No Data Available
Explosive properties	No Data Available
Decomposition temperature	When heated to 175°C for the first time, release of binder decomposition products occurs
Explosive limits	No Data Available

9.2. Other information

No additional information available.

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Not reactive

10.4. Conditions to avoid

None specified

10.5. Incompatible materials

None specified

10.6. Hazardous decomposition products

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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

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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

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Ecology - soil

No additional information available .

12.5. Results of PBT and vPvB assessment

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

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.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Waste treatment methods	Dispose of contents/ container in accordance with licensed collector's sorting instructions
Additional information	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging contaminated by the product: Disposal must be done according to official regulations. Non-contaminated packages may be recycled.

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).

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SECTION 14: Disposal considerations

In accordance with ADR/ RID/ IMDG/ IATA/ ADN

ADR	Not Applicable
RID	Not Applicable
IMDG	Not Applicable
IATA	Not Applicable
ADN	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

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SECTION 15: Regulatory information

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

15.1.1. Relevant EU provisions transposed through retained EU law

Contains no UK REACH substances with Annex XVII restrictions.

Contains no substance(s) listed on the UK REACH Candidate List

Contains no UK REACH Annex XIV substances that are subject to authorisation

Contains no substance subject to GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation.

Contains no substance subject to Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain).

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes

Hazards identification. Composition/information on ingredients.

Section	Changed item	Change	Comments
2	Hazard Statements (CLP)	Removed	Hazard Classification Removed - Recalculated for New Formulation
3.2	Composition/information on ingredients	Modified	
4	First-aid measures general	Modified	
6	Emergency procedures	Modified	
7	Precautions for safe handling	Modified	
11		Removed	Removal of Melamine from Formulation
12		Removed	Removal of Melamine from Formulation
13	Disposal considerations	Modified	Updated to Reflect Formulation
15		Modified	Updated to Reflect Formulation

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
ATE	Acute Toxicity Estimate
BLV	Biological Limit Value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect Level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community Number
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)

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Abbreviations and acronyms	
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full Text of H- and EUH- statement	
Acute Tox. 2 (Dermal)	Acute toxicity (Dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (Inhalation), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (Oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (Oral), Category 4
Aquatic Acute 1	Hazardous to aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to aquatic environment – Chronic Hazard, Category 2
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one(2634-33-5), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/ eye irritation, category 1
Eye Irrit. 2	Serious eye damage/ eye irritation, category 2
Repr. 2	Reproductive toxicity, Category 2
H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Skin Corr. 1C	Skin corrosion/ irritation, Category 1, sub-category 1C
Skin Irrit. 2	Skin corrosion/ irritation, Category 2
Skin sens. 1	Skin sensitisation, Category 1
Skin sens. 1A	Skin sensitisation, Category 1A

The above information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.