

MATERIAL SAFETY DATA SHEET

Product name	Foil-faced Rock Fibre Insulation
Product Code(s)	QFFDW
Revision Date	30/10/2024
Revision number	01

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

1.1. Product identifier

Product name	Foil-faced Rock Fibre Insulation
Product Code	QFFDW

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

Relevant identified uses	Thermal insulation, acoustic insulation and fire protection in building construction applications.
Uses advised against	No information provided. See above.

1.3. Details of the supplier of the safety data sheet

Company Name	Quelfire Limited Unit 4 Spitfire Road Cheshire Green Industrial Estate Wardle CW5 6HT
Tel	0161 928 7308
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 in accordance with CLP Regulation (EC) No. 1272/2008 [and, accordingly, the GB CLP Regulation]	Not classified.
Most important effects listed in sections 9 to 12	The mechanical effect of coarse fibres in contact with skin, throat or eyes may cause temporary itching. When first heated above approximately 150°C, release of binder components and binder decomposition products can occur, which in high concentrations may irritate the eyes and respiratory system.

2.2. Label elements

Hazard pictograms, signal words, hazard statements and precautionary statements in accordance with CLP Regulation (EC) No. 1272/2008	None.
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2.3. Other hazards

Other hazards which do not result in classification	Dust can be generated during cutting or fabrication of the product.
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Section 3: Composition/information on ingredients

3.1. Substances

Name	EC identification number	REACH registration number	Content (% weight)	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)
Stone wool ¹	926-099-9	01-211-947-2313-44	95-100%	Not classified
Mineral oil			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 Note Q conditions of CLP Regulation 1272/2008.

ROCKWOOL stone wool products may be supplied with facings of aluminium foil, mineral tissue, wire mesh, etc.

3.2. Mixtures

Name	EC identification number	REACH registration number	Content (% weight)	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)
Synthetic thermosetting polymer binder			0-5%	Not classified
Silicon oil/emulsion ²			0-0.5%	Not classified

² Silicon oil and silicon emulsion are used in certain ROCKWOOL stone wool products.

Section 4: First aid measures

4.1. Description of first aid measures

First aid measures (general)	If exposure symptoms persist, seek medical attention.
First aid measures after inhalation	Remove from exposure. Rinse throat and clear dust from airways. Rest in a position comfortable for breathing.
First aid measures after skin contact	Remove and wash contaminated clothing. Rinse skin with water.
First aid measures after eye contact	Immediately flush eyes thoroughly with water for at least 15 minutes. Seek medical attention.
First aid measures after ingestion	Rinse mouth immediately and drink plenty of water.

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

Symptoms or effects after eye contact: May cause physical irritation upon direct contact.

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

If adverse reaction or discomfort continues from any of the above exposures, seek medical advice.

Section 5: Fire-Fighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water, foam, carbon dioxide (CO ₂), dry powder.
Unsuitable extinguishing media	None known.

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5.2. Special hazards arising from the substance or mixture

Fire hazard	None. ROCKWOOL stone wool insulation is rated A1 in accordance with EN 13501-1.
Explosion hazard	Not explosive.

5.3. Advice for fire-fighters

Advice for fire-fighters	No advice specific to the product. General guidance: use personal protective equipment appropriate to the prevailing conditions
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Section 6: Accidental release measures

The following information is relevant to both large and small spills.

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Use personal protective equipment as detailed in Section 8.
For emergency responders	Use personal protective equipment appropriate to the circumstances.

6.2. Environmental precautions

No environmental precautions specific to the product. General guidance: keep spills away from drains, surface and ground water.

6.3. Methods and materials for containment and cleaning up

How to contain a spill	No containment techniques specific to the product. General guidance: keep spills away from drains, surface and ground water.
How to clean-up a spill	Place waste in containers suitable for disposal. Use vacuum cleaner or dampen with water spray prior to sweeping up. Ensure good ventilation.
Further information	No further, relevant information.

6.4. Reference to other sections

Refer to Section 8 (personal protection) and Section 13 (disposal).

Section 7: Handling and storage

7.1. Precautions for safe handling

Recommendations for safe handling	Avoid unnecessary handling of product once unwrapped. No containment techniques specific to the product. General guidance: keep spills away from drains, surface and ground water. Use vacuum cleaner or dampen with water spray prior to sweeping up. Ensure good ventilation. Refer to Section 8 (personal protection) and Section 13 (disposal).
General occupational hygiene	(a) do not eat, drink or smoke in work areas. (b) wash hands after use. (c) remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Where possible, store product in original packaging. Keep dry and protect against mechanical damage.
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Incompatible materials	None under normal conditions of use.
Packaging	Products typically packed in polyethylene film, cardboard and/or on wooden pallets.

7.3. Specific end use(s)

Specific end use(s)	Thermal insulation, acoustic insulation and fire protection in building construction applications, in accordance with ROCKWOOL recommendations.
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Section 8: Exposure controls/personal protection

8.1. Control parameters

National limit values	UK workplace exposure limit (WEL) in accordance with HSE guidance EH40: Long-term exposure limit (8-hr TWA reference period); 5mg/m3 gravimetric measure (total inhalable dust) and 2 fibres/ml airborne fibre limit. Short-term exposure limit; none. DNEL/PNEC: Not applicable.
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8.2. Exposure controls

Engineering measures	Ensure adequate ventilation.
Individual protection measures, such as personal protective equipment	(a) Eye/face protection Wear safety goggles (EN 166) when working above shoulders. (b) Skin protection (i) Hand protection: Wear protective gloves (EN 388). (ii) Other: Cover exposed skin to avoid possible itching. (c) Respiratory protection (i) Respiratory protection (general): Wear a face mask (EN 149, FFP1) in confined spaces and during operations that generate any type of dust above relevant exposure limits. (ii) Respiratory protection (high temperature): When first heated at high temperatures not usually found in building applications (above approximately 150°C), the product binder will slowly decompose, and trace gases will be released. When high temperature appliances are first put into service, gases should be vented to control exposure to fumes or appropriate respirators used. (d) Thermal hazards Not relevant.
Environmental exposure controls	No environmental exposure controls specific to the product. General guidance: keep spills away from drains, surface and ground water.
Additional information- The following text and pictograms are printed on product packaging:  Cover exposed skin. When working in unventilated area wear disposable face mask  Rinse in cold water before washing  Clean area using vacuum equipment  Ventilate working area if possible  Waste should be disposed of according to local regulations  Wear goggles when working overhead	

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Appearance	Grey-green
Odour	Odourless
Melting point/freezing point	Not relevant
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Not capable of catching fire or being set on fire
Lower/upper explosion limits	Not explosive
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
pH	Not applicable
Solubility	Insoluble in water
Kinematic viscosity	Not applicable
Partition coefficient n-octanol/water (log value)	Not applicable
Density and/or relative density	Typical density between 20 and 300 kg/m3, depending upon product
Relative vapour density	Not applicable

9.2. Other information

No further, relevant information.

Section 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal conditions of use.

10.4. Conditions to avoid

None under normal conditions of use.

10.5. Incompatible materials

None under normal conditions of use.

10.6. Hazardous decomposition products

When heated above approx. 150°C for the first time, release of binder decomposition products occurs.
See Section 8.2.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Not classified.
Skin corrosion/ irritation	Not classified.
Serious eye damage/ irritation	Not classified.
Respiratory Irritation	Not classified.
Skin Irritation	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	Not classified.
Additional information	The mechanical effect of coarse fibres in contact with skin, throat or eyes may cause temporary itching.

Section 12: Ecological information

12.1. Toxicity

None.

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

None.

12.6. Other adverse effects

None.

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	Place waste in containers suitable for disposal. ROCKWOOL stone wool insulation is non-hazardous waste - List of Wastes code, 17 06 04. Waste should not be disposed of in drains or sewers. ROCKWOOL stone wool insulation waste is categorised as “waste accepted at landfills for non-hazardous waste” in accordance with landfill regulations.
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Section 14: Transport information

14.1. UN number or ID number

Not applicable.

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14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard classes

Not applicable.

14.4. Environmental hazards

None.

14.5. Special precautions for user

None.

14.6. Maritime transport in bulk according to IMO instruments

Not applicable.

14.7. Packing group

Not applicable.

Section 15: Regulatory information

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

Safety data sheets	EU and UK regulations do not require a safety data sheet to be provided for ROCKWOOL stone wool insulation products. This Safe Use Instruction Sheet is provided to provide health and safety information in a standardised format.
REACH and UK REACH	No hazardous classifications are associated with ROCKWOOL stone wool insulation, with respect to physical, health and environmental considerations, in accordance with REACH Regulation (EC) No. 1907/2006; and, accordingly, in accordance with UK REACH. ROCKWOOL stone wool insulation products do not contain substances in concentrations >0.1% by weight on the REACH Candidate List of Substances of Very High Concern (SVHC), the REACH Annex XIV Authorization List or the REACH Annex XVII Restriction List. ROCKWOOL stone wool insulation batts, slabs, rolls, mats and pipe sections are defined as articles in accordance with REACH Regulation (EC) No. 1907/2006.
CLP and GB CLP	No hazardous classifications are associated with ROCKWOOL stone wool insulation, in accordance with CLP Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures; and, accordingly, in accordance with the GB CLP Regulation.

15.2. Chemical Safety Assessment

Chemical Safety Assessment	Not required.
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Section 16: Other information

ROCKWOOL stone wool fibre is bio-soluble, and is not suspected of being carcinogenic in accordance with CLP Regulation (EC) No. 1272/2008. ROCKWOOL is a member of the EUCEB voluntary certification scheme, which verifies compliance with the bio-solubility requirements of Note Q, which are specified in CLP Regulation (EC) No. 1272/2008.

This safe use instruction sheet does not constitute a workplace assessment.

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

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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.