

Safe use instruction sheet

ROCKWOOL® stone wool insulation products

Date of issue: December 2022 (replaces November 2018 version)

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

1.1 Product identifier

Product name(s): ROCKWOOL® stone wool insulation.

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

1.2.1 Relevant identified uses

Thermal insulation, acoustic insulation and fire protection in building construction applications, in accordance with ROCKWOOL recommendations.

1.2.2 Uses advised against

No information provided. See 1.2.1

1.3 Details of the supplier of the safe use instruction sheet

ROCKWOOL Ltd, Pencoed, Bridgend, CF35 6NY.

Tel: 01656 862621.

Email of person responsible: sds@rockwool.com

1.4 Emergency telephone number

ROCKWOOL Customer Support 9am- 5pm, Monday-Friday.

Tel: 01656 862621.

Email: sds@rockwool.com

Section 2. Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification in accordance with CLP Regulation (EC) No. 1272/2008 [and, accordingly, the GB CLP Regulation]
Not classified.

2.1.2 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.

2.3 Other hazards

Other hazards which do not result in classification: dust can be generated during cutting or fabrication of the product.

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

- (i) **First aid measures (general)**
If exposure symptoms persist, seek medical attention.
- (ii) **First aid measures after inhalation**
Remove from exposure. Rinse throat and clear dust from airways. Rest in a position comfortable for breathing.
- (iii) **First aid measures after skin contact**
Remove and wash contaminated clothing. Rinse skin with water.
- (iv) **First-aid measures after eye contact**
Immediately flush eyes thoroughly with water for at least 15 minutes. Seek medical attention.
- (v) **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. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂), dry powder.

Unsuitable extinguishing media: None known.

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 firefighters

No advice specific to the product. General guidance: use personal protective equipment appropriate to the prevailing conditions

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

6.1.1 For non-emergency personnel

Use personal protective equipment as detailed in Section 8.

6.1.2 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

6.3.1 How to contain a spill

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

6.3.2 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.

6.3.3 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

7.1.1 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).

7.1.2 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

Suitable storage conditions: Where possible, store product in original packaging. Keep dry and protect against mechanical damage.

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)

Thermal insulation, acoustic insulation and fire protection in building construction applications, in accordance with ROCKWOOL recommendations.

Section 8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 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.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation.

8.2.2 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 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.

8.2.3 Environmental exposure controls

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

8.3 Additional information

The following text and pictograms are printed on product packaging:

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



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

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Physical state	Solid.
(b) Colour	Grey-green.
(c) Odour	No distinguishable odour.
(d) Melting point/freezing point	Not relevant.
(e) Boiling point or initial boiling point and boiling range	Not applicable.
(f) Flammability	Not capable of catching fire or being set on fire.
(g) Lower and upper explosion limit	Not explosive.
(h) Flash point	Not applicable.
(i) Auto-ignition temperature	Not applicable.
(j) Decomposition temperature	Not applicable.
(k) pH	Not applicable.
(l) Kinematic viscosity	Not applicable.
(m) Solubility	Insoluble in water.
(n) Partition coefficient n-octanol/water (log value)	Not applicable.
(o) Vapour pressure	Not applicable.
(p) Density and/or relative density	Typical density between 20 and 300 kg/m ³ , depending upon product.
(q) 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.

Section 11. Toxicological information

11.1 Information on toxicological effects

- | | |
|---------------------------------------|-----------------|
| (a) Acute toxicity | Not classified. |
| (b) Skin corrosion/irritation | Not classified. |
| (c) Serious eye damage/irritation | Not classified. |
| (d) Respiratory or skin sensitisation | Not classified. |
| (e) Germ cell mutagenicity | Not classified. |
| (f) Carcinogenicity | Not classified. |
| (g) Reproductive toxicity | Not classified. |
| (h) STOT-single exposure: | Not classified. |
| (i) STOT-repeated exposure | Not classified. |
| (j) Aspiration hazard: | Not classified. |

11.2 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

- 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.

Section 14. Transport information

14.1 UN number or ID 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

None.

14.6 Special precautions for user

None.

14.7 Maritime transport in bulk according to IMO instruments

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

Not required.

Section 16. Other information

16.1 General 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 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 Changes made to this document

Date of issue	Changes made
December 2022	Safety data sheet reformatted as a Safe Use Instruction Sheet. References to UK REACH and GB CLP added
November 2018	Reference to Commission Regulation (EU) No 2015/830 added
June 2017	References to superseded Regulations and Directives removed. Wording amended to improve clarity
July 2015	Text accompanying pictograms amended in Section 8
October 2014	Mineral oil content changed from 0-0.3% to 0-0.5% in Table 3
January 2014	Some wording amended to improve clarity
October 2012	Layout amended to enable branding. Updated PPE references. Legal disclaimer updated. Contact email address changed
May 2011	Re-formatted to bring headings in line with Commission Regulation (EU) 453/2010 (REACH)
May 2010	Supplementary information provided on Workplace Exposure Limits. Pictograms used on packaging added
July 2009	Re-formatted to conform to REACH regulations. R38 classification removed from Sections 2 and 15 in accordance with Commission Regulation (EC) 790/2009