SPS Envirowall Ltd

Safety Data Sheet
according to (EC) 1907/2006 - Artclie 31

ISO No. 5033 **Version 2** **Date prepared:** April 2022

SECTION 1 Identification of the article and of the company/undertaking

1.1 Product identifier

Trade Name: Mineral Wool Insulation
Identification of the product: Product Name: Mineral Wool Insulation
Product Code: RDD, RHD

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

Use: 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.

1.3 Details of the supplier of the safety data sheet

Supplier SPS Envirowall Ltd
Unit 27 Rosevale Road
Parkhouse Industrial Estate West
Newcastle under Lyme
Staffordshire
ST5 7EF
United Kingdom
Email: info@spsenvirowall.co.uk
Telephone: 08451300983

1.4 Emergency telephone number NHS : 111

SECTION 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 Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).

2.2 Label elements

The overall conclusion in accordance with the CLP regulation, REACH registration and the Globally Harmonised System (GHS) is that there are no hazardous classifications associated with the fibres in respect to physical, health and environmental considerations.

2.3 Other hazards

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

SECTION 3 Composition/information on ingredients

3.1

Substance Name	Content (% weight)	EC Identification No	REACH Registration Number	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)
Stone wool(1)	95-100%	926-099-9	01-211-947-2313-44	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 the Nota Q of Regulation 1272/2008. ROCKWOOL® stone wool products do not contain CLP classified substances >0.1%.
(3) Silicon oil/emulsion is used in place of mineral oil in certain products such as preformed pipe sections.

3.2 Facing Materials

Mineral Wool may be supplied faced with various common building materials such as aluminium foil, mineral tissue/scrim/fleece, polethylene/polypropylene film, wire mesh, bitumen, plaster board, cementitious board, ablative coatings, etc.

SECTION 4 First aid measures

4.1 Description of first aid measures

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

4.2 Most important symptoms and effects, both acute and delayed

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

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.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO2), and dry powder
Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture

None special. Use normal body and respiratory protection for fire.

5.3 Advice for fire-fighters

The unfaced products are non combustible, some packaging materials or facings may however be combustible.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

In case of presence of high concentrations of dust, use the same personal protective equipment as mentioned in section 8.

6.2 Environmental precautions

None required

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

For personal protection equipment, see section 8. For waste disposal, see section 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

No specific measures. Preferably use a knife for cutting. If a power tool is used, provide effective dust extraction. Ensure adequate ventilation of workplace. See section 8. Avoid unnecessary handling of unwrapped product. See section 8.

7.2 Conditions for safe storage, including any incompatibilities

Technical Measures: No special measures necessary.
Suitable Storage Conditions: Products should be kept dry, if possible in original packaging.
Incompatible materials: None.
Packaging material: Products are typically packed in polyethylene film, cardboard and/or on wooden pallets.

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: No specific requirements

8.2.2 Individual protection measures, such as personal protective equipment

Eye protection: Wear goggles if working above shoulders or where there is heavy dust development. Eye protection to EN 166 is advised.

Hand protection: Use gloves conforming with EN 388 to avoid itching.

Skin protection: Cover exposed skin.

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 (>175ºC), 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.

SECTION 9 Physical and chemical properties

Appearance: Solid

Colour: Grey-Green

Odour: Odourless

Odour Threshold: Not relevant. No odour

pH value: Not relevant. Solid

Melting point: >1000ºC

Initial boiling point and range: Not relevant. Solid

Flash point: Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)

Evaporation rate: Not relevant. Solid

Flammability: Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)

Upper/lower flammability or explosive limits: Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)

Vapour pressure: Not relevant. Solid

Vapour density: Not relevant. Solid

Relative Density: Depends on product (typ. between 20 and 300 kg/m3)

Solubility (ies): Generally chemically inert and insoluble in water.

Partition coefficient n-octanol/water: Not relevant. Insoluble in water

Auto-ignition temperature: Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)

Decomposition temperature: When heated to approx 175ºC for the first time, release of binder decomposition products occurs.

Viscosity: Not relevant. Solid

Explosive properties: Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)

Oxidising properties: Not relevant. Non-oxidising

9.2 Other information No further chemical or physical properties to report.

SECTION 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 Incompatible materials None specified

10.6 Hazardous decomposition products When heated to approx 175ºC for the first time, release of binder decomposition products occurs. See 8.2.2

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: No acute toxicity

Irritation: In the case of coarser fibres there can be mechanical effects on 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 Mineral Wool 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 rock (stone) wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans) ie 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 & vPvB assessment: No assessment required

12.6 Other adverse effects Relying on entrapped air for its thermal properties, the products do not, and never have 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 Mineral Wool material is recyclable. Please refer to our website www.rockwool.co.uk for more information. Mineral Wool insulation is classified as non-hazardous waste. Mineral Wool insulation waste 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 Mineral Wool insulation waste 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

14.1 UN number Not applicable

14.2 UN proper shipping name Not applicable

14.3 Transport hazard class(es) Not applicable

14.4 Packaging group Not applicable

14.5 Environmental hazards Not applicable

14.6 Special precautions for user 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 Mineral Wool fibres in respect to physical, health and environmental aspects.

15.2 Chemical safety assessment No assessment required

SECTION 16 Other information

This safety data sheet has been prepared in accordance with Annex II to Regulation (EC) No 1907/2006 (REACH), as amended by Commission Regulation (EU) No 2015/830.
Although REACH Regulations do not require a safety data sheet to be provided for Mineral wool stone wool insulation, this format is used to provide standardized health and safety information.
All stone wool insulation products supplied are made of fibres exonerated from classification as a carcinogen in accordance with Regulation (EC) No. 1272/2008 (ref. Nota Q).
Mineral wool fibres are subject to independent assessment by EUCEB.
Membership of the EUCEB certification scheme is voluntary and certifies compliance with the parameters laid down in Nota Q, as defined by Regulation (EC) No. 1272/2008.

This data sheet does not constitute a workplace assessment.
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