

Glass Mineral Wool Insulation

Data Sheet | April 2018

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Glass Mineral Wool Insulation.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified uses: Thermal and/or acoustic insulation for use in industrial applications
- 1.3 Details of the supplier of the safety data sheet**
Superglass Insulation Limited, Thistle Industrial Estate, Kerse Road, Stirling, Scotland FK7 7QQ
Tel: +44 (0)1786 451170
sales@superglass.co.uk
- 1.4 Emergency telephone number**
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2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Not classified as dangerous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
- 2.2 Label elements**
In accordance with the REACH regulation there are no hazardous classifications associated with this product in respect to physical, health and environmental considerations.
- 2.3 Other hazards**
The mechanical effect of fibres in contact with skin may cause a temporary itching.
Cutting and handling may create dust. Further information can be found in Section 8.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Substance	C.A.S. number ⁽²⁾	Contents (%)	Classification and labelling (Regulation (EC) 1272/2008)	REACH Registration Number	EC number
Glass mineral wool ^{(1) (3)}	None	95 – 99%	Not Classified	01 – 2119472313-44-0030	926-099-9
Thermosetting urea extended Phenol resin binder	None	Up to 5%	Not Classified		
Mineral oil emulsion; or	None	Up to 0.1%	Not Classified		
Silicone oil emulsion	None	Up to 0.3%	Not Classified		

Notes:

⁽¹⁾ Man-made vitreous (silicate) fibres with random orientation with alkaline & alkali earth oxides (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the Nota Q conditions of EU Directive 97/69/EEC

⁽²⁾ CAS-No.: Chemical Abstract Service

⁽³⁾ Glass mineral wool insulation fibres are not classified carcinogenic according to Regulation (EC) 1272/2008

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

Remove from exposure into fresh air. If irritation occurs, clean throat by rinsing with cold, potable water and blow nose to clear dust.

4.1.2 Skin

If irritation occurs, remove contaminated clothing and rinse under cold running water prior to washing skin gently with cold water and mild soap. Do not rub or scratch affected skin.

4.1.3 Eye

If irritation occurs, check for and remove contact lenses, flush eyes with potable cold water. Do not rub eyes. If symptoms persist seek medical advice.

4.1.4 Ingestion

If accidentally ingested, may cause transient irritation to the digestive tract. Rinse mouth and drink plenty of cold water.

4.2 Most important symptoms and effects, both acute and delayed

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

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Water, foam, carbon dioxide (CO₂) or dry powder.

5.1.2 Unsuitable extinguishing media

None.

5.2 Special hazards arising from the substance or mixture

Products are non-combustible and do not pose a fire hazard in use; however, some facings and packaging materials may burn. Products of combustion from product and packaging – carbon dioxide, carbon monoxide and some trace gases such as ammonia, nitrogen oxides and volatile organic substances.

5.3 Advice for firefighters

Observe normal firefighting procedures. Large fires in poorly ventilated areas or involving packaging materials may necessitate the use of respiratory protection / breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special requirements. In the presence of high concentrations of dust, it is recommended for comfort that long-legged, long-sleeved clothing and gloves in conformity with EN 388 and safety goggles in conformity with EN 166 are worn.

6.2 Environmental precautions

None required.

6.3 Methods and material for containment and cleaning up

Use vacuum equipment or dampen down with water spray before sweeping.

6.4 Reference to other sections

Recommended personal protection equipment and waste disposal considerations are covered in sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Unpack materials at application site to avoid unnecessary handling of unwrapped product. Cut product using a knife. Use of power tools and saws are not recommended. Ensure adequate ventilation of workplace. Keep work areas clean. Do not eat, drink or smoke in work areas. Wash hands after use rinsing under cold water before using a mild soap. Change clothes and wash upon completing work.

7.2 Conditions for safe storage, including any incompatibilities

All products should be stored in accordance with site specific risk assessments. Store material in original packaging until it is to be used. Store material to protect against damage or ingress of rain water / snow. Store loose un-palletised product in a dry location. Delivered packed in polyethylene film on wooden pallets.

7.3 Specific end use(s)

Not relevant.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Machine-made mineral fibre (MMMMF) workplace exposure limit (WEL) 5mg/m³ gravimetric measure (total inhalable dust) and 2 fibres/ml airborne fibre limit, 8-hour time weighted averages (EH40).

8.2 Exposure controls

8.2.1 Engineering controls

No specific requirements.

8.2.2 Individual protection measures, such as personal protective equipment

8.2.2.1 Eye protection

Eye protection to EN 166 is advised, in particular when working with product above head height.

8.2.2.2 Skin protection

Use of gloves in conformity with EN 388 is recommended to reduce the likelihood of mechanical itching. For comfort, it is recommended that long-legged, long sleeved work clothing is worn.

8.2.2.3 Respiratory protection

In confined atmospheres or during operations which can generate or result in the emission of any dust, it is recommended that a disposable face mask complying with BS EN149 FFP1 or FFP2 should be used.

8.2.2.4 Hygiene

After contact, wash hands with cold water and mild soap.

The following sentence and pictograms are printed on packaging:

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



Cover exposed skin.
When working in
unventilated areas wear
disposable face mask.



Clean area using vacuum
equipment.



Waste should be disposed
of according to local
regulations.



Rinse in cold water
before washing.



Ventilate working area
if possible.



Wear goggles when
working overhead.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Solid
Form: Roll, panel or loose fibre
Colour: Light yellow
Odour: None
pH: Not relevant
Boiling point: Not relevant
Flash point: Not relevant
Flammability: Not relevant
Explosive properties: None
Density: 9 to 48 kg/m³
Solubility: Generally chemically inert and insoluble in water

9.2 Other information

Approximate nominal diameter of fibres: 3 - 6 µm.
Orientation of fibres: Random.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive.

10.2 Chemical stability

Binder will decompose above 230°C.

10.3 Possibility of hazardous reactions

Not reactive.

10.4 Conditions to avoid

Heating above 230°C.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

None in normal conditions of use. Decomposition of binder above 230°C may produce carbon dioxide and some trace gases. The duration of release of decomposition products is dependent upon the thickness of the insulation, binder content and the temperature applied.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

Carcinogenicity classification not applicable for this product; in accordance with European Directive 97/69/EC nota Q, products are assessed as free from suspicion of possible carcinogenic effects.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

This product is not ecotoxic to water, soil or air, by composition.

12.2 Persistence and degradability

None.

12.3 Bioaccumulative potential

Will not bio-accumulate.

12.4 Mobility in soil

Not considered mobile.

Continued on next page.

12. ECOLOGICAL INFORMATION (continued)

12.5 Results of PBT and vPvB assessment

No assessment required.

12.6 Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product is classified as non-hazardous waste. Product is covered by the non-hazardous entry 17 06 04 in the European Waste Catalogue, established by EC Decision 2000/532/EC (hazardous waste). Dispose of product in accordance with local regulations and procedures in force within the country of use or disposal.

Dispose of packaging in accordance with local regulations and procedures in force within the country of use or disposal.

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 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

None specified.

15. REGULATORY INFORMATION

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

The European Regulation on Chemicals No 1907/2006, Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) enacted on June 1st 2007 requires the provision of a Safety Data Sheet (SDS) for hazardous substances and mixtures / preparations.

Superglass Insulation Limited mineral wool products (mat, batts, rolls or loose fibres), are defined as articles under REACH and therefore a Safety Data Sheet for these products is not a legal requirement.

In accordance with industry practice, Superglass Insulation Limited voluntarily make REACH compliant safety data sheets available for their products to ensure that health and safety information is provided in a recognized standard format for the purpose of assuring safe handling and use of our mineral wool throughout the product life.

This Material Safety Data Sheet has been prepared in accordance with Regulations (EC) 1907/2006 (REACH), 1272/2008 (CLP) and 453/2010.

15.2 Chemical safety assessment

Not required.

16. OTHER INFORMATION

HSE Guidance Note EH40 – Occupational Exposure Limits.

This Material Safety Data Sheet does not constitute a workplace risk assessment.

Information contained in this document represents the state of our knowledge regarding this product as of the date of issue. Attention of users is drawn to possible risks taken when the product is used for other applications than the ones it has been designed for.

All Superglass Insulation Limited products are packaged to agreed packaging communication standards to ensure that the installation is safe, clean, and conforms to local regulations.

Further information can be obtained from: www.superglass.co.uk

In 2001, the International Agency for Research on Cancer (IARC), reclassified glass mineral wool fibres from Group 2B (possibly carcinogenic) to Group 3 (agent which cannot be classified as for their carcinogenicity to humans). (See Monograph Vol 81, <http://monographs.iarc.fr/>).

Revised March 2015 to correct packaging pictogram wording.

Revised May 2017 to remove references to repealed EU Directives 67/548/EEC and 1999/45/EEC.

Revised April 2018 to remove fax numbers and update contact telephone numbers.

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