



Concept Conversions Limited

Stone Wool Insulation Products

Material Safety Data Sheet

January 2024

Concept Conversions Limited

Stone Wool Insulation Products

1. Identification of the substance and of the company.

1.1 Product Identifier	CCL Stone wool Insulation products.
1.2 Relevant identified uses (and uses advised against)	Engineered insulation products supplied plain, faced or enclosed for construction, industrial & interior processes. No uses advised against for physical health and environmental considerations as covered by REACH.
1.3 Details of the supplier	Concept Conversions Limited, Unit 13 Trinity Centre, Park Farm Industrial Estate, Wellingborough Northants NN8 6ZB Tel : +44 (0)1933 673100 Email : sales@concept-conversions.co.uk
1.4 Emergency Telephone Number	+44 (0)1933 673100 Monday to Thursday 8:30am to 5pm Friday 8:30am to 2pm

2. Hazards Identification

2.1 Classification of the substance	There is no hazard statement associated with this material. Stone wool is not classified as dangerous according to Regulation (EC) No 1272/2008.
2.2 Label elements	No labelling obligation for this article.
2.3 Other hazards	Use of cutting equipment may generate dust. When heated for the first time to 200°C, release of binder components and binder decomposition products can be released which, in high concentrations, may irritate the eyes and respiratory system.

3. Composition

Substance name	EC ID No	REACH Reg No	Content (% weight)
Stone Wool (1)	926-099-9	01-211-947-2313-44	95 – 100%

NOTE:

Not classified H351 “suspecting of causing cancer”. Stone wool insulation fibres are not classified as carcinogenic according to Nota Q of Regulation 1272/2008. Stone wool products do not contain CLP classified substances >0.1%

- 3.1 Facings** Stone wool products may be supplied faced with various common materials such as aluminium foil, mineral tissue / fleece, polyethene and cementitious board etc.

4. First aid measures

4.1 Description of first aid measures

- general** Dust exposure symptoms.
- inhalation** If coughing, discomfort or obstruction occurs due to inhalation of dust, leave dusty area and seek medical advice.
- skin contact** In case of discomfort, remove any contaminated clothing and wash skin with clean cold water and mild soap.
- eye contact** Immediately flush with plenty of clean water. Continue flushing for 15 minutes. If irritation persists, seek medical advice.
- ingestion** Wash mouth with water. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- general** Product is considered relatively benign.
- inhalation** Irritation of the airway from fine particles generated by handling.
- skin contact** Mechanical effect of fibres in skin contact can cause temporary itching and irritation.
- eye contact** May be irritation and redness.
- ingestion** May be irritation of the throat.

4.3 Indication of any immediate attention and special treatment needed

None required.

5. Fire fighting measures

5.1 Extinguishing media

Suitable Water spray, foam, CO2, Dry Powder.

Unsuitable No specific information available.

5.2 Special hazards	Un-faced products are non-combustible. Some facings and packaging can burn.
5.3 Advice for firefighters	Observe normal firefighting procedures.

6. Accidental release measures

6.1 Personal precautions Refer to section 8 for personal protection details.

6.2 Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and clearing up Large pieces should be collected. Damp down area with water before sweeping or use vacuum equipment.

6.4 Reference to other sections For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling Wear suitable PPE to reduce contact with fibres – see section 8.

7.2 Conditions for safe storage, including any incompatibilities Keep in a cool, well-ventilated area. Keep packaging away from any ignition sources such as open flame, welding torches and forms of direct radiant heat.

7.3 Specific end use(s) Insulation material for construction applications.

8. Exposure controls / personal protection

8.1 Control parameters	Workplace exposure limit (WEL) 5mg/m ³ gravimetric measure (total inhalable dust).
8.2 Exposure controls	Handling and working of the material has the potential to release particles. Where practical, extraction should be used or apply positive ventilation in confined spaces if dust becomes prevalent.
8.3 Individual protection measures	
Eye protection	Safety glasses or goggles to EN166.
Skin protection	Hands: Gloves in conformity with EN 388 are worn for comfort. Other : Cover exposed skin for comfort.
Respiratory protection	If WEL is likely to be exceeded (for example when using cutting tools or working in confined spaces) disposable face masks complying with BS EN149 FFP1 or FFP2 should be used and are suitable for most applications.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties	Appearance Solid grey-green. Melting point >1000°C
9.2 Other information	No CFC/HFC – Zero Ozone Depleting Potential (odp).

10. Stability and Reactivity

10.1 Reactivity	None under foreseeable anticipated conditions of use.
10.2 Chemical stability	The product is chemically inert.
10.3 Possibility of hazardous reactions	None under foreseeable anticipated conditions of use.
10.4 Conditions to avoid	No information available.
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	When stone wool is heated to approximately 200°C for the first time, release of binder components and binder decomposition occurs.

11. Toxicological information

Not classified

12. Ecological information

12.1 Toxicity	Not classified.
12.2 Persistence and degradability	Inert, not degradable.
12.3 Bio accumulative potential	No indication of bio accumulative potential.
12.4 Mobility in soil	No indication of mobility in soil.
12.5 Results of PBT and vPvB assessment	No assessment required.
12.6 Other adverse effects	No data available.

13. Disposal considerations

13.1 Product / packaging disposal	Packaging and the product itself can be recycled.
13.2 Waste treatment	The product is considered non-hazardous but must be disposed of in accordance with the national / local regulations.
13.3 Sewage disposal	Avoid entry into sewers and water courses.
13.4 Other disposal recommendations	Stone wool insulation 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 (EWC). Under land fill regulations, stone wool insulation waste is categorised as "waste accepted at landfills for non-hazardous waste in accordance with EC Decision 2003/22/EC.

14. Transport information

No classification for transport.

15. Regulatory information

15.1 Safety health and environmental regulations / legislation

The conclusion with REACH regulation is that there is no hazardous classifications associated with stone wool fibres in respect to considerations relating to physical, health and environmental factors. There is no assessment required.

15.2 Chemical safety assessment

15.3 Important information

The information provided in this document is believed to be correct and to the best of our knowledge as at its revision date and is solely intended to inform regarding aspects of safety. The properties and characteristics indicated within this document are not guaranteed. The information should only be used as guidance for safe handling, use, processing, storage, transportation and disposal and should not be considered as an obligation in respect of warranty of performance, quality or suitability for any application.

Other information

Previous version

Not applicable.

Changes to previous version

Not applicable.

Technical support

For further information please contact our technical department at the address below.

Product information

Visit our website for product information and technical downloads.



Unit 13, Trinity Centre, Park Farm Industrial Estate, Wellingborough, Northants, NN8 6ZB
Tel: 01933 673100 email sales@concept-conversions.co.uk

www.concept-conversions.co.uk

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