

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Generic product name :</b>	STONEWOOL – High alumina, low silica wool
<b>Recommended use :</b>	Thermal and /or acoustical, vibration and technical insulation for construction, industry, rail or marine application
<b>Supplier :</b>	Rockwool Technical Insulation Delfstoffenweg 2 Math Mourmans ( <a href="mailto:math.mourmans@rockwool.com">math.mourmans@rockwool.com</a> ) +31-(0)475-353915 <a href="http://www.rockwool-rti.com">www.rockwool-rti.com</a>
<b>Producing factories :</b>	Rockwool A/S, Denmark; A/S Rockwool, Norway; Rockwool B.V., Netherlands; Rockwool Limited, United Kingdom; Rockwool France S.A.S., France; Rockwool Polska Sp. Z.o.o., Poland; Rockwool a.s., Czech Republic; Rockwool Peninsular S.A.U.; Deutsche Rockwool Mineralwoll GmbH & Co. OHG, Germany; Rockwool Mineralwolle GmbH Flechtingen, Germany ; Rockwool Hungary, Hungary.

**2. HAZARDS IDENTIFICATION**

<b>Most important hazards</b>	: There is no Hazard statement associated with this product.
<b>Specific hazards</b>	: Non applicable

**3. COMPOSITION / INFORMATIONS on INGREDIENTS**

Substance	C.A.S. number <sup>(4)</sup> EC number <sup>(5)</sup>	Amount weight (%)	Classification and labelling (Regulation (CE) n°1272/2008)	Classification and labelling (European directive 67/548/EEC) <sup>(3)</sup>	- Index number in accordance with Appendix I 67/548/EEC - Reach Substance registration number
Stone wool <sup>(1)</sup>	287922-11-6 HT stone wool fibres 926-099-9	95 – 100%	Not classified <sup>(2)</sup>	Not classified	650-016-00-2 01-211-9472313-44
Organic binder		0 – 5%	Not classified	Not classified	
Mineral oil		0 – 0.5%	Not classified	Not classified	

(1): Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the nota Q conditions

(2): Non classified H351 "suspected of causing cancer". Stone wool fibres are not classified carcinogenic according to the nota Q of the Directive 97/69/EEC and the regulation n° 1272/2008 (page 335 of the JOCE L353 of December 31, 2008)

(3): Where substances are classified in accordance with regulation (EC) No 1272/2008 during the period from its entry into force until 1 December 2010 that classification may be added in the safety data sheet together with the classification in accordance with Directive 67/548/EEC. From 1 December 2010 until 1 June 2015 the safety data sheets for substances shall contain the classification according to both Directive 67/548/EEC and Regulation (EC) No 1272/2008 (art. 57 of Regulation (CE) 1272/2008, Official journal L353, p. 27)

(4): C.A.S. : Chemical Abstract Service

(5): EC: EC Number , determined by the European Commission for identifying materials

**Possible facing materials:** glass mat, or polyester mat or aluminium, wire mesh netting (galvanised or stainless steel)

<sup>1</sup> The European Regulation (ER) on Chemicals N° 1907/2006 (REACH) enforced on June 1<sup>st</sup> 2007 requires Material Safety Data Sheet (MSDS) only for hazardous substances and mixtures/preparations. Mineral wool products (panels or rolls), are articles under REACH and therefore, MSDS is not legally required. Nevertheless, Rockwool decides to provide its customers with the appropriate information for assuring safe handling and use of mineral wool through this *Safe Use Instructions Sheet*.

#### 4. FIRST AID MEASURES

**Information according to the different exposure route:**

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

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

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media** The products are non combustible, some packaging materials or facings may however be combustible.  
Suitable extinguishing media; water, foam, carbon dioxide (CO<sub>2</sub>), and dry powder.

#### 6. ACCIDENTAL RELEASE MEASURES

**In case of spillage** Remove mechanically.

#### 7. HANDLING and STORAGE

**Handling**

- **Technical measures** : No specific measure. Use preferably a knife. If a power tool is used, it must be equipped with efficient air suction.
- **Precautions** : Ensure adequate ventilation of workplace. See section 8
- **Safe handling advice** : Avoid unnecessary handling of unwrapped product. See section 8.

**Storage**

- **Technical measures** : No special measures necessary.
- **Suitable storage condition** : Products should be stored dry. If possible also materials in original packaging. Materials without packaging should always be stored dry.
- **Incompatible materials** : None
- **Packaging material** : Products are packed in polyethylene film or cardboard; on wooden pallet

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Value	: In accordance with national regulations.
Individual protection equipments	
- Respiratory protection	: When working in unventilated area or during operations which can generate emission of any dust, wear a disposable face mask. Type in accordance with EN 149 FFP1 is recommended.
- Hand protection	: Use gloves to avoid itching in conformity with EN 388
- Eyes protection	: Wear goggles when working overhead. Eye protection to EN 166 is advised
- Skin protection	: Cover exposed skin
- Hygiene measures	: Rinse in cold water before washing

The following sentence and pictograms are printed on the packaging

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



Ventilate working area if possible



Waste should be disposed of according to local regulations



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



Clean area using vacuum equipment



Wear goggles when working overhead



Rinse in cold water before washing

## 9. PHYSICAL and CHEMICAL PROPERTIES

<b>Physical state</b>	: Solid
<b>Form</b>	: Roll, slab or shaped article
<b>Colour</b>	: Grey green
<b>Odour</b>	: Not relevant
<b>pH</b>	: Not relevant
<b>Boiling point</b>	: Not relevant
<b>Flash point</b>	: Not relevant Products are incombustible

<b>Explosive properties</b>	: Not relevant
<b>Density</b>	: Product depending
<b>Water solubility</b>	: Generally chemically inert and insoluble in water.
<b>Melting point</b>	: > 1000 °C

#### 10. STABILITY AND REACTIVITY

<b>Stability</b>	: Binder will decompose above ca. 250°C
<b>Dangerous reactions</b>	: None in normal conditions of use
<b>Other information</b>	: When mineral wool is heated to over 250°C, an odour can be detected due to the decomposition of the binder in the product. This only occurs during the first heating of the apparatus containing the product. It is therefore advisable to provide good ventilation during the first use of the apparatus. The vapours arising from the decomposition are no different to those that can be expected from the decomposition of any organic material and are mainly from pyrolysis or burning of the resin. These vapours only occur for a short time and are mainly CO <sub>2</sub> , CO, carbon particles and water. According to the test methods contained in the DIN 53 436 these vapours are classified as toxicologically harmless.

#### 11. TOXICOLOGICAL INFORMATION

Classification as carcinogenic is not applicable for mineral wools in this product; in accordance with the directive 97/69/EC and European Regulation 1272/2008, nota Q. (See also section 15).  
In Germany the fibres also are TRGS 905, section 2.3. Compliant

#### 12. ECOLOGICAL INFORMATION

This product is not expected to cause harm to animals or plants during normal conditions of use.

#### 13. DISPOSAL CONSIDERATIONS

<b>Waste from residues</b>	: Dispose of in accordance with regulations and procedures in force in country of use or disposal. Clean Rockwool waste can be supplied to some of the Rockwool factories to be recycled, after contact for the transport and conditions. There are no product-technical restrictions that forbid the dumping of the material in a waste landfill.
<b>Packaging disposal</b>	: Dispose of in accordance with local regulations. Packing material being polyethylene can be supplied for recycling to PE manufacturers.
<b>Code from European Waste Catalogue:</b>	17 06 04 'Insulating materials other than those mentioned in 17 06 01 and 17 06 03'. Fulfils the requirements of 17 09 04 'Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03'

#### 14. TRANSPORT INFORMATION

**International regulations**

: no specific regulations

#### 15. REGULATORY INFORMATION

The European directive 97/69/EC replaced by the regulation (EC) n° 1272/2008 concerning the classification, labelling and packaging of the substance and the mixtures does not classify Stone wool fibres as hazardous, if they are in compliance with the note Q of this Regulation.

#### 16. OTHER INFORMATION

The Stone wool fibres of this product are exonerated from the carcinogenic classification according to the European directive 97/69/CE and the Regulation (EC) 1272/2008 if they fulfil one of the criteria of the nota Q of these texts.

All products marketed by ROCKWOOL are made of non-classified fibres and are certified by EUCEB or RAL.

Both certifications are voluntary and certify that the product is not classified through full compliance with the parameters laid down in Note Q, as defined by Directive 97/69/EC and Regulation (EC) No 1272/2008

RAL identifies the certificate issued by Gutegemeinschaft Mineralwolle E.V. (GGM) of Frankfurt (Association for the quality of mineral wool, <http://www.ral-mineralwolle.de>).

EUCEB (European Certification Board for Mineral Wool Products - [www.euceb.org](http://www.euceb.org)) is issued by an independent certification body.

To ensure that fibres comply with the exoneration criteria all tests and supervision procedures are carried out by independent, expert qualified institutions. EUCEB ensures that the producers of mineral wool have put in place self-control measures.

The mineral wool producers commit to EUCEB to:

- supply sampling and analysis reports established by laboratories recognized by EUCEB, proving that the fibres comply with one of the four criteria of exoneration described in Note Q of the Directive 97/99/EC,
- be controlled, twice per year, of each production unit by an independent third party recognized by EUCEB (sampling and conformity to the initial chemical composition),
- put in place procedures of internal self-control in each production unit.

The products responding to the EUCEB certification are recognized by the EUCEB logo put on the packaging.



EUCEB is an ISO 9001:2000 certified association.

Moreover, in 2001, the International Agency for Research on Cancer, re-evaluated and reclassified mineral wool (insulation glass wool, rock(stone) wool and slag wool) 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/>)

*Persons who wish to obtain more detailed information have to contact the producer (address on the first page of this sheet).*

*Information given in this document is on the state of our knowledge regarding this material at the time of issue.*

*It is given in good faith.*

*The attention of users is drawn to possible risks taken when the product is used for other application than the ones it has been designed for.*