

**0. GENERAL INFORMATION**

This Safe Use Instruction Sheet is the document provided by Paroc AB to communicate recommended safe handling and use instructions for manufactured articles.

The European Regulation (ER) on Chemicals 1907/2006 (REACH) enforced on June 1, 2007 only requires a Safety Data Sheet (SDS) for hazardous substances and preparations. This product is considered an article under REACH and therefore, no SDS is legally required.

**1. IDENTIFICATION**

<b>Product Name</b>	Stone Wool Products
<b>Synonyms</b>	Stone wool slabs, sheets, mats, boards, rolls, blowing wool or pipe sections
<b>Product Code</b>	OCPG00001
<b>Recommended Use</b>	Building, technical, industrial, marine, sound- and fire insulation
<b>Supplier Address</b>	Paroc Group Oy Enegiakuja 3 00180 Helsinki
<b>Manufacturer Address</b>	Paroc Group Oy Enegiakuja 3 FI-00180 Helsinki, Finland
<b>Company Phone Number</b>	+358 46 876 8000
<b>E-mail address</b>	<a href="mailto:emelia.samuelsson@owenscorning.com">emelia.samuelsson@owenscorning.com</a> <a href="mailto:safetydatasheet@owenscorning.com">safetydatasheet@owenscorning.com</a>
<b>Company Website</b>	<a href="http://paroc.com">http://paroc.com</a>

**2. HAZARDS IDENTIFICATION**

<b>Regulatory Status</b>	This product is classified as an article. "Article" means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition (Article 3(3) of REACH).
<b>GHS Classification</b>	This product is not classified hazardous according to GHS criteria. This product is classified as an article According to United Nations GHS 1.3.2.1.1.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

- Comments**
- The product contains no substances which at their given concentration are considered to be hazardous to health.
  - Mineral wool may cause temporary skin and mucous membranes itching due to the mechanical abrasion effect of fibers.

**4. FIRST AID MEASURES**

**Description of First Aid Measures**

- Eye contact**
- DO NOT rub or scratch eyes
  - Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
  - If eye irritation persists: Get medical advice/attention
- Skin contact**
- Wash off immediately with soap and plenty of cold water
  - Use a wash cloth to help remove fibers and dust
  - DO NOT rub or scrub affected area
  - Remove contaminated clothing and shoes
- Inhalation**
- Remove to fresh air
- Ingestion**
- Rinse mouth with water and drink water to remove fibers from the throat

**5. FIRE-FIGHTING MEASURES**

- Flammable properties**
- Un-faced materials are non-combustible. Facings and packaging may be combustible
- Suitable extinguishing media**
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
- Protective equipment and precautions for firefighters**
- As in any fire, wear self-contained breathing apparatus (positive), MSHA/NIOSH (approved or equivalent) and full protective gear

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions**
- Avoid contact with eyes and skin
- Methods for cleaning up**
- Use personal protective equipment as required
  - Avoid creating dust
  - Clean contaminated protective equipment in case of direct contact with the product

**7. HANDLING AND STORAGE**

- Precautions for safe handling**
- Prevent and/or minimize dust formation, DO NOT breathe dust
  - Wear appropriate personal equipment in case of direct contact with the product (breathing filter mask)
  - Handle in accordance with good industrial hygiene and safety practice
- Storage conditions**
- Keep product in packaging until use to minimize potential dust generation
  - Products should be kept dry and undercover
- Incompatible materials**
- None known based on information supplied

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Component	ACGIH	Austria	Belgium	Bulgaria	Croatia
Mineral Wool 65997-17-3 ( 95-99 )	Total Dust 10mg/m <sup>3</sup> Respirable Dust 3mg/m <sup>3</sup>	Dust TWA 10mg/m <sup>3</sup> Respirable MMMF Fibre 2mg/m <sup>3</sup>	Total Dust 10mg/m <sup>3</sup> TWA (dust and fiber) Respirable dust 3mg/m <sup>3</sup>	Total Dust 6 mg/m <sup>3</sup> Respirable Artificial Fibre 1f/cm3	Total Dust 5 mg/m <sup>3</sup> Respirable MMMF Fibre 2f/cm3
Component	Czech Republic	Denmark	Finland	France	Germany
Mineral Wool 65997-17-3 ( 95-99 )	Total Dust 4 mg/m <sup>3</sup> Respirable Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 5mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	TWA: 10 mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 5mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 1.255mg/m <sup>3</sup>
Component	Hungary	Ireland	Italy	Lithuania	Netherlands
Mineral Wool 65997-17-3 ( 95-99 )	Fibrous Dust 1f/cm3	Total Dust 5mg/m <sup>3</sup> Respirable Dust 4mg/m <sup>3</sup> Airborne Fibres 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 3mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 5 mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 5mg/m <sup>3</sup> Respirable Fibre 2f/cm3
Component	Norway	Poland	Portugal	Russia	Spain
Mineral Wool 65997-17-3 ( 95-99 )	Total Dust 10mg/m <sup>3</sup> Respirable Dust 5mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 5mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 3mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 5mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 3mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3
Component	Sweden	Switzerland	United Kingdom		
Mineral Wool 65997-17-3 ( 95-99 )	Total Dust 10mg/m <sup>3</sup> Respirable Dust 2,5mg/m <sup>3</sup> Respirable MMMF Fibre 1f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 3mg/m <sup>3</sup> Respirable MMMF Fibre 0,5f/cm3	Total Dust 10mg/m <sup>3</sup> Respirable Dust 4mg/m <sup>3</sup> Respirable MMMF Fibre 2f/cm3		

(MMMF – Man-Made Mineral Fiber)

**Engineering Controls**

- Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits
- Dust collection system must be used in transferring operations, cutting or other dust generating processes, such as using power tools
- Vacuum clean-up methods should be used

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

- Wear safety glasses with side shields (or goggles)

**Skin and body protection**

- Wear protective gloves
- Wear long-sleeved shirt and long pants

**Respiratory protection**

- When workers are facing airborne particulates/dust concentrations above the exposure limits, they must use an appropriate certified respirator
- A properly fitted disposable P2 type dust respirator or better is recommended

**General hygiene considerations**

- Wash hands before breaks and immediately after handling products
- Remove and wash contaminated clothing before re-use

When following these guidelines, a good working environment can be achieved:



Ventilate surfaces if possible.



Protect uncovered skin areas. Use a disposable mask in unventilated areas.



Wear safety goggles when working overhead.



Classify waste in accordance with local regulations.



Clean surfaces with a vacuum cleaner.



Rinse your hands with cold water before washing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid
<b>Appearance</b>	Fibrous
<b>Odor</b>	Low odor
<b>Color</b>	Grayish-green
<b>Water solubility</b>	Insoluble in water

## 10. STABILITY AND REACTIVITY

When stone wool insulation is heated the first time to a temperature above 200°C, the binder starts to break down. Typical thermal breakdown products are odorous, irritating to upper mucous membranes and consist of various hydrocarbons, ammonia, aldehydes, mono isocyanates, and nitrogen components such as amines.

The decomposition rate is dependent on temperature, time and history of thermal exposure, product density and thickness. At each temperature exposure maximum, the decomposition rate is highest in the beginning. Thereafter, with continued exposure at the peak temperature, the emissions are leveling out. After reduction of the emission level at a peak temperature, no further emissions are expected at a later exposure to the same temperature.

Customers wishing to take extra precautions when heating up the product for the first time are advised to provide sufficient ventilation and avoid staying close to the heated construction. And if they deem necessary according own risk assessment, even to use personal protective equipment (such as fresh-air respirators) for personnel close to the heated construction, for the initial period.

Our LE product range emits a significantly lower amount of mono isocyanate and aldehydes.

## 11. TOXICOLOGICAL INFORMATION

<b>Product information</b>	Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness
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**IARC (International Agency for Research on Cancer)**

In October 2001, the International Agency for Research on CANCER (IARC) classified mineral wool (insulation glass wool, rock(stone) wool and slag wool) as Group 3, “not classifiable as to its carcinogenicity to humans.” The 2001 decision was based on human studies and animal research that have not shown an association between inhalation exposure to dust from mineral wool and the development of respiratory disease

**12. ECOLOGICAL INFORMATION**

This product is not expected to be hazardous for the environment

**13. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with applicable regional, national and local laws and regulation

**14. TRANSPORT INFORMATION**

This material is not subject to regulation as a hazardous material for shipping

**15. REGULATORY INFORMATION**

**International inventories**

This product is classified as an article. Articles are exempted from registration or listing under chemicals inventories like TSCA (USA), DSL/NDL (CAN), REACH (EU), ENCS (JP), IECSC (CN), KECL (KR), PICCS (PH), AICS (AUS)

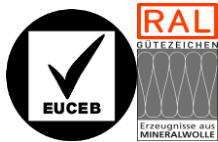
**European regulation**

- This product is classified as an article. See section 2
- This product contains no REACH substances with Annex XVII restrictions
- This product contains no REACH candidate substances
- This product contains no REACH Annex XIV substances

**16. OTHER INFORMATION**

Paroc stone wool products are made from unclassified fibers and are certified by the EUCEB (compliance with European law).

The EUCEB (European Certification Board for Mineral Wool) is an independent certification body which, through inspections carried out by independent institutes, ensures that the manufactured fiber maintains a composition that meets the solubility requirements of remark Q of Directive 97/69/EG. This means that the fiber is tested and cannot be classified as carcinogenic. This is made visible by the EUCEB label on packaging.



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**Disclaimer**

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use

**End of Safe Use Instruction Sheet**