

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 No. 1907/2006 (REACH) enforced on June 1, 2007 only requires a Safety Data Sheet (SDS) for hazardous substances or preparations. This product is considered an article under REACH and therefore, no SDS is legally required. The manufacturer and/or supplier of this product has decided to provide customers with information for assuring the safe handling of the product through the Safe Use Instruction Sheet (SUIS).

1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|-----------------------------|--|-----------------------------|--|
| Product Name | Stone Wool Products | | |
| Synonyms | Stone wool slabs, sheets, rolls, mats, boards, rolls or pipe sections | | |
| Synonyms | Stone wool slabs, sheets, mats, boards, rolls, blowing wool or pipe sections | | |
| Document code | OCPG00001 | | |
| Recommended Use | Building, technical, industrial, marine, sound- and fire insulation | | |
| Supplier Address | Paroc Group Oy Enegiakuja 3 FI-00180 Helsinki Finland | Manufacturer Address | Paroc Oy Ab Enegiakuja 3 FI-00180 Helsinki Paroc AB Bruksgatan 2 SE-541 31 Skövde +46 500 46 90 00 Paroc Polska Sp. z o.o. ul.Gnieźnieńska 4 62-240 Trzemeszno, Polska Tel. +48 61 468 21 90 paroc.polska@owenscorning.com Paroc Lietuva UAB Paroc Savanorių pr. 124, LT-03153 Vilnius +370 5 2740000 paroc.lt@owenscorning.com |
| Company Phone Number | +358 46 876 8000 | | |
| E-mail address | safetydatasheet@owenscorning.com | | |

2. HAZARDS IDENTIFICATION

| | |
|--------------------------|---|
| Regulatory Status | Products which meet the definition of Articles according to Art. 3(3) – Definitions - of the Regulation (EC) No. 1907/2006 (REACH) (an object which during production is given a special shape, surface or design, which determines its function to a greater degree than its |
|--------------------------|---|

chemical composition) are not regulated by Regulation (EC) No. 1272/2008 (CLP)

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health
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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Wash off immediately with soap and plenty of cold water • Use a wash cloth to help remove fibers and dust • DO NOT rub or scratch affected area • Remove contaminated clothing and shoes |
| Inhalation | <ul style="list-style-type: none"> • Remove to fresh air |
| Ingestion | <ul style="list-style-type: none"> • Rinse mouth with water and drink water to remove fibers from the throat |

5. FIRE-FIGHTING MEASURES

- | | |
|--|---|
| Flammable properties | <ul style="list-style-type: none"> • Un-faced materials are non-combustible. • Facings and packaging may be combustible |
| Suitable extinguishing media | <ul style="list-style-type: none"> • Use extinguishing measures that are appropriate to local circumstances and the surrounding environment |
| Protective equipment and precautions for firefighters | <ul style="list-style-type: none"> • As in any fire, wear self-contained breathing apparatus (positive-pressure), MSHA/NIOSH (approved or equivalent) and full protective gear |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|--------------------------------|--|
| Personal precautions | <ul style="list-style-type: none"> • Avoid contact with eyes and skin |
| Methods for cleaning up | <ul style="list-style-type: none"> • 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

- | | |
|-------------------------------|---|
| Storage Conditions | <ul style="list-style-type: none"> • Keep product in packaging until use to minimize potential dust generation • Products should be kept dry and undercover |
| Incompatible materials | <ul style="list-style-type: none"> • None known based on information supplied |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical name | ACGIH | Austria | Belgium | Bulgaria | Croatia |
|----------------------------|--|--|---|--|--|
| Mineral Wool 65997-17-3 | Total Dust 10mg/m ³ Respirable Dust 3 mg/m ³ | Dust TWA 10mg/m ³ Respirable MMVF Fibre 2mg/m ³ | 10 mg/m ³ TWA (dust and fiber) Respirable Dust 3mg/m ³ Inorganic Fibre 1f/cm3 | Total Dust 6 mg/m ³ Respirable Artificial Fibre 1f/cm3 | Total Dust 5mg/m ³ Respirable MMVF Fibre 2f/cm3 |
| Chemical name | Czech Republic | Denmark | Finland | France | Germany |
| Mineral Wool 65997-17-3 | Total Dust 4mg/m ³ Respirable Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 5mg/m ³ Respirable MMVF Fibre 1f/cm3 | TWA: 10 mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 5mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 1.255mg/m ³ |
| Mineral Oil 8042-47-5 | | | | | TWA: 5 mg/m ³ |
| Chemical name | Hungary | Ireland | Italy | Lithuania | Netherlands |
| Mineral Wool 65997-17-3 | Fibrous Dust 1f/cm3 | Total Dust 5mg/m ³ Respirable Dust 4mg/m ³ Airborne Fibres 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 3mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 5mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 5mg/m ³ Respirable Fibre 2f/cm3 |
| Mineral Oil 8042-47-5 | TWA: 5 mg/m ³ | | | | |
| Chemical name | Norway | Poland | Portugal | Russia | Spain |
| Mineral Wool 65997-17-3 | Total Dust 10mg/m ³ Respirable Dust 5mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 5mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 3mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 5mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 3mg/m ³ Respirable MMVF Fibre 1f/cm3 |
| Mineral Oil 8042-47-5 | | | | MAC: 5 mg/m ³ Skin | |
| Chemical name | Sweden | Switzerland | United Kingdom | | |
| Mineral Wool 65997-17-3 | Total Dust 10mg/m ³ Respirable Dust 3mg/m ³ Respirable MMVF Fibre 1f/cm3 | Total Dust 10mg/m ³ Respirable Dust 3mg/m ³ Respirable MMVF Fibre 0.5f/cm3 | Total Dust 10mg/m ³ Respirable Dust 4mg/m ³ Respirable MMVF Fibre 2f/cm3 | | |
| Mineral Oil 8042-47-5 | | TWA: 5 mg/m ³ | | | |

(MMM-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

Eye/face protection

- Wear safety glasses with side shields (or goggles)
- (EN 166)

Skin and body protection

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

Respiratory protection

- Respiratory protection
- Recommended filter type:
- Filtering Half-face mask (DIN EN 149)
- When workers are facing airborne particulates/dust concentrations above the exposure limits, they must use an appropriate certified respirator

General hygiene considerations • Handle in accordance with good industrial hygiene and safety practice**Individual protection measures.** 1. Wear safety goggles when working overhead.

such as personal protective equipment

2. Protect uncovered skin areas. Use a disposable mask in unventilated areas.
3. Ventilate working area if possible
4. Waste should be disposed of according to local regulations
5. Rinse in cold water before washing.
6. Clean area using vacuum equipment



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state
Appearance
Odor
Color
Water solubility
Melting point

Solid
Fibrous
Low odor
Grayish-green
Insoluble in water
1000 °C

10. STABILITY AND REACTIVITY

Stability

- Stable under normal conditions
- 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.

Possibility of hazardous reactions • See Section 10.1 for more information

Hazardous decomposition products • See Section 10.1 for more information

11. TOXICOLOGICAL INFORMATION

Product Information

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

Carcinogenicity

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 regulations.

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)

16. OTHER INFORMATION

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Revision Note new document

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