

Safety data sheet

Acc. Regulation (EC) No 1907/2006

Date: 19.06.2014

Rev. 04

Page 1 from 5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Identification of the substance or preparation

Product name: Mineral fibre board MFP (ROCKWOOL)
Mineral fibre wool (ROCKWOOL)

Use of the substance/preparation

Recommended use: Insulating material

Producer

svt Brandschutz Vertriebsgesellschaft mbH International
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DE: +49-172-4090-400
Department: Central Technology

2. HAZARD IDENTIFICATION

Classification

- This product is not classified as hazardous material acc. to Directive 1999/45/EC.

Hazard to human and environment

- -

Additional information

- -
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Mineral rock wool in a processed condition with minimal addition of oil and coupling agents, if required bound by mixing with duroplastic epoxy resin.

Name	CAS-No	EINECS	Symbol(s)	R-phrases	Concentration
HT-Mineral-rook-wool fibres	28 7922-11-6	-	-	-	-

4. FIRST AID MEASURES

General information

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Inhalation

- -

Eye contact

- Treat any particles in the eyes as any other foreign bodies.
- Do not scratch the eyes.
- Flush eyes thoroughly with water.
- Contact the doctor if necessary.

Skin contact.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media

- Usual extinguishing media (water, universal-type foams, dry chemicals).

Special hazards

- -

Special equipment for fire-fighters

- -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

- -

Environmental precautions

- -

Methods for cleaning

- -

7. HANDLING AND STORAGE

Handling

With respect to the effects mentioned in No. 11, please comply with the general instructions for work hygiene stated in section 5 of part 1 of TRGS 521.

(Technical regulations for hazardous substances):

- Ensure workplace is adequately ventilated – keep doors and windows open.
- Keep workplace clean.
- Adequate treatment of the of products and waste
- Use ready-made products
- Avoid raising dust by vacuuming instead of sweeping indoors.
- Use tools and processing methods that avoid dust.
- Do not remove packaging until it is required on the work station.
- Special diligence during the removal of old insulation, e.g. sprinkle thoroughly before demolition.
- Wear safety glasses when considerable dust generated or working overhead.
- Wear P1 dust mist respirator or FFP1 particle-filtering respirator.
- Wear suitable protective clothing and gloves.

Notes of fire and explosion protection

- The product is non-combustible.

Storage class

- Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

- General dust limit: 3 mg/m³

Occupational exposure controls

Respiratory protection

- P1 dust mist respirator or FFP1 particle-filtering respirator.

Hand protection

- Wear suitable gloves.

Eye protection

- Wear safety glasses when considerable dust generated or working overhead.

Body protection

- Wear loosely fitting working clothing and suitable gloves.
- If skin sensitive, use moisturising barrier cream for skin protection.

General hygiene precautions

- After work completed rinse off construction dust with water.

Limitation and control of environmental exposure

- Pay attention to local and national wastewater regulations (see section 15).
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9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Form:	solid
Colour:	grey green
Odour:	-

Important health, safety and environmental information

Boiling point/range	-
Melting point/range	> 1000° C
Change of state:	solid/liquid > 1000° C
Flash point:	-
Ignition temperature:	non-combustible according DIN 4102
Auto-ignition:	-
Fire hazard properties:	-
Explosion hazard	-
Nominal bulk density of mineral fibre board:	150 kg/m ³
Compacted apparent density of mineral fibre wool:	30-120 kg/m ³
Steam pressure:	< 10 ⁻³ mbar (25°C)
Solubility:	< 10 ⁻³ g/l (25°C)
pH value:	-
Solvent content:	none
Dynamic Viscosity	> 10 ¹⁰ Pa.s (25°C)

10. STABILITY AND REACTIVITY

Conditions to avoid

- none

Hazardous reactions

- none

Hazardous decomposition products

- none

Additional notes:

- When first heated to temperature > 250° C carbonisation gas formed.
Carbonisation gas in non toxic acc. to DIN 53436.
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11. TOXICOLOGICAL INFORMATION

Toxicological data:

- **Acute toxicity (LD₅₀/LC₅₀)**
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- **Irritation and abrasive effect**
See «Other observations»
- **Sensitization**
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- **Effects after longer exposure**
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- **Carcinogenicity, mutagenicity and reproduction toxicity**

None. Due to their high bio-solubility, ROCKWOOL fibre types of rock wool insulating material are classified as being non-carcinogenic according to TRGS 905, part 2.3 as per EU-Directive 97/69/EC (Note Q).

After intratracheal instillation the half-time-period constitutes less than 40 days for both WHO-fibers (L > 5 µm, D < 3 µm, L:D > 3:1) and fibres with a length > 20 µm.

- **Other observations**

Rough fibres may have a mechanical effect on skin, conjunctiva or mucous membranes. This may cause temporary reactions (e.g. itching) which will fade away of their own accord. Such effects may also be caused when handling other fibres or non-fibrous particles. No chemical reactions known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

- **Environmental hazard class to danger symbol "N"**
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- **Notes to elimination**
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- **Eco-toxic effect (e. g. behaviour in sewage works)**
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- **Further details on ecology**
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13. DISPOSAL CONSIDERATIONS

- **Disposal code no.:**
EAK-Nr. 170604; insulating material: excepted those, which belong to 17 06 01 and 17 06 03
- **Waste description**
Waste of mineral wool.
- **Accountability**
No.
- **Packaging disposal recommendation:**
Interseroh Agreement No. 31763

14. TRANSPORT INFORMATION

Landt ransport (ADR/RID and GGVSE))

- **Class:**
Not applicable.
- **Name of goods:**
Mineral fibre board (ROCKWOOL)
Mineral fibre wool (ROCKWOOL)

Sea transport (IMDG und GGVSee)

- **Class:**
Not applicable.

Air transport (ICAO/IATA)

- **Class:**
Not applicable.
 - **Proper technical name:**
-
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15. REGULATORY INFORMATION

EC labelling

Must not be labelled according to EC. regulations

R phrases -

S phrases -

National regulations

- **Accident legislation:**
Not applicable.
 - **Classification to VbF:**
Not applicable.
 - **Directions for air:**
Not applicable.
 - **Water danger class (self-assessment figure if required):**
WKG0 (self assessment according to point 2.2 "Verwaltungsvorschrift wassergefährdender Stoffe"
(Water – endangering substances))
 - **Restrictions and directives:**
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16. OTHER INFORMATION

Further information:

ROCKWOOL insulation materials produced have been awarded the RAL –Quality certificate „Erzeugnisse aus Mineralwolle“ (Man-made mineral fibre products) by the “Gütegemeinschaft Mineralwolle e.V.” (registered association for mineral wool quality control), which is labelled on the package.