Knauf Aquapanel GmbH & Co. KG

1. Identification of the substance / preparation and company

1.1 Substance / preparation

Commercial product name
AQUAPANEL® Cement Board Indoor, AQUAPANEL® Cement Board Indoor - Lighter. Easier. Faster. AQUAPANEL® Cement Board Outdoor, AQUAPANEL® Cement Board Floor Tile Underlay, AQUAPANEL® Cement Board SkyLite, AQUAPANEL® Cement Board Universal, AQUAPANEL® Cement Board Rooftop 12.5 mm, AQUAPANEL® Cement Board Rooftop 6 mm

Application
Fiberglass reinforced carrier plates and façade backing boards

1.2 Company/Undertaking identification

Knauf Aquapanel GmbH & Co. KG
Zur Helle 11
D- 58638 Iserlohn
Telephone: int+49-(0)2374-50360
Fax: int+49-(0)2374-5036300
e-mail: aquapanel.info@knauf.com

1.3 Emergency telephone

Giftnotruf Berlin, Beratungsstelle für Vergiftungserscheinungen und Embryonaltoxikologie
Telephone: int+49-(0)30-19240

2. Classification according to Regulation (EC) No 1272/2008

Not classified as hazardous. The cement boards are articles according the regulation mentioned above. In case of cutting or drilling the boards, hazards can occur. Machine tools (including hand-held tools) must always be connected to an effective ventilation system, in case of ineffectiveness of other technical or organizational measures. As personal protective equipment for cutting operations use dust mask P2. Caution: During cutting operations, respirable fumed silica may be released. Always use suitable ventilation.

2.1 Description of hazards

Hazards are not expected.

2.2 Impact on human health

Hazards are not expected.

2.3 Impact on environment

None

3. Composition / Information on ingredients

The product is an article according Regulation 1907/2006. The function of an article is mainly determined due to the specific shape, surface and less due to the chemical composition. The carrier plate is composed of cement, fillers and mineral fibres.

3.1 Hazardous constituents according to Regulation 1907/2006/EC

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Chemical name</th>
<th>m %</th>
<th>pictogram</th>
<th>H-Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

see for H-Phases at chapter 16.2.

3.2 Substances, not listed in chapter 2.1

(see chapter 8.)

Portland cement CAS 65 997-15-1 / EC 266-043-4

3.3 additional information

low chromate concentration according to TRGS 613.

( Germany), 1907/2006/EC Annex XVII, No 47,

ChemikalienverbotsVO

4. First Aid Measures

4.1 General information

Consult physician immediately, if discomfort occurs after contact with the product.

4.2 Inhalation

Remove the person to fresh air, obtain medical assistance.
4.3 Skin contact  
Flush immediately with plenty of water and soap. Remove contaminated clothing immediately from skin.

4.4 Eye contact  
Irrigate with plenty of water and obtain medical advice.

4.5 Ingestion  
Do not induce vomiting. Consult physician immediately.

4.6 Information for the physician  
Symptoms: N/A  
Hazard: Hazards not expected  
Treatment: Symptomatic treatment

4.7 First aid equipment: N/A

4.8 Additional Information: None

5. Fire-fighting Measures  
5.1 Suitable extinguishing media: The product is not flammable.

5.2 Unsuitable extinguishing media: The product is not flammable.

5.3 Special hazards caused by substance or preparation itself, its combustion products or released gases: Hazards not expected.

5.4 Special protective equipment: Adapt equipment on surrounding combustion.

5.5 Additional information: None.

6. Accidental release Measures  
6.1 Personal protection: Ventilate sufficiently.

6.2 Environmental protection: Keep away from surface water, ground water and drains.

6.3 Methods on cleaning up: Absorb mechanically and dispose of according to legal provisions.

6.4 Additional information: None

7. Handling and Storage: (National regulations see chapter 15., 16.)  
7.1 Handling  
Advice on safe handling: See chapter 8.  
Fire control and explosion prevention: No special measures  
Additional requirements: None

7.2 Storage  
Requirements for storage and vessels: None  
Advice on storage compatibility: Keep away from acids  
Further information on storage conditions: Keep dry  
Storage category: 13 (VCI storage concept)

7.3 Special usage: DNA

8. Exposure and personal protection  
8.1 Exposure limit values
### Limitation and control of occupational exposure

See chapter 7

**Personal protection**
- **Respiratory protection**: Not applicable in duly practice. In case of dust formation use dust mask P2.

- **Hand protection**: Use protective gloves.

- **Eye protection**: Protective goggles where eye contact is possible.

- **Body protection**: Wear protective overalls and footwear.

- **Skin protection**: Use revitalizing cream

- **General measures**: Wash hands before breaks and end of work. When using do not drink or eat.

### Physical and chemical properties

#### General information
- **Form**: solid
- **Colour**: cement-grey
- **Odour**: Odourless

#### Important information on health- and environmental safety
- **Melting point**: >1000 °C
- **Grammage (kg/m²)**: ca. 17
- **Density (g/cm³)**: 1200 up to 1450

### Toxicological information

#### Toxicological tests

<table>
<thead>
<tr>
<th>Acute toxicity / specific result of animal experiments</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD₅₀ rats, oral (mg/kg)</td>
</tr>
<tr>
<td>LC₅₀ rats, inhalation (mg/l/4h)</td>
</tr>
</tbody>
</table>

#### Irritancy and corrosiveness / sensitizing effect
- Skin irritation: DNA
Eye irritation: Direct contact on mucous membranes may cause irritation of the eyes. Mechanic irritation possible (wear safety glasses).

Skin sensatation: Repeated or prolonged contact may cause skin irritation (wear impervious gloves).

11.1.3 Subchronic, prolonged toxicity / carcinogenic, mutagenic and reproductive toxicity effects
- Carcinogenity: DNA
- Mutagenicity: DNA
- Reproductive toxicity: DNA
- Chronic Toxicity: DNA

11.1.4 Additional Information

11.2 Past experience

11.2.1 Relevant observations for classification
Due to the hydrophobic properties and the alkalinity of cement direct contact on mucous membranes may cause irritation of the eyes.

11.2.2 Other observations
Repeated or prolonged contact may cause skin irritation.

11.3 General information
Toxicity studies have not been conducted on this product.

12. Ecological information

12.1 Ecotoxicity
- Aquatic Toxicity:
  - 96 h LC50 (fish) DNA
  - 48 h EC50 (Daphnia) DNA
  - 72 h IC50 (Alga) DNA
- Waste water treatment plant: DNA

12.2 Mobility
DNA

12.3 Persistence and degradability
DNA

12.4 Bioaccumulation potential
DNA

12.5 Other adverse effects
- Ozone depletion DNA.
- Potential for photochemical ozone formation DNA
- AOX DNA

12.6 Additional information
- COD-Value DNA
- BOD-Value DNA

12.7 Water endangerment category
Slightly water endangering (WGK1), self-classified
Keep away from drains, surface water and groundwater

12.8 Result of PBT assessment
DNA

13. Advice on disposal

13.1 Disposal according to national regulations (Abfallverzeichnis Verordnung, Germany)
Notice: this recommendation is only for unused product, for further information please refer to local regulations

- Category: Construction and demolition wastes
- Description: concrete, bricks, tiles and ceramics
- Waste code: 17 01 07 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
- Disposal: D 1 above/ in ground waste storage (e.g. landfill)
- Recycling: R 3/5 utilization/recuperation of organic materials, those that are not used as solvents
  Utilization/recuperation of other organic materials
13.2 uncleaned packages
Advice: containers are to be emptied. The containers can be reused.
Recommended cleaning procedure: a removal of the dry remaining content is possible.

14. Transport information
14.1 Land transport ADR / RID / GGVSE Not classified as hazardous for transport.
14.2 Marine transport IMDG / GGVSee Not classified as hazardous for transport.
14.3 Air transport ICAO / IATA Not classified as hazardous for transport.

15. Regulatory information
15.1 National regulations
Advice on: N/A
Statutory order on hazardous incidents: N/A
Technische Anleitung Luft: N/A
Water hazard class: WGK 1 (self-classification)
Other regulations, restrictions: None known

15.2 Chemical Safety Report
DNA

16. Additional information
16.1 Record retention
NA
Customers industry, private consumers

16.2 Wording of P-phrases
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P305/P351/P338/P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P302/P352/P333/313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261/P304/P340/312 – Avoid breathing dust. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

16.3 responsible division / contact / telephone
Contact information:
Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn
Telephone: int+49-(0)2374-50360 Fax: int+49-(0)2374-5036300

Adding the occupational exposure limits (United Kingdom) for Portland cement at point 8.1.

16.4 This data sheet provides you with reference points for the safe handling, storage, transport and disposal. The information is based on the current level of knowledge and assures no certain characteristics. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the products AQUAPANEL® Cement board indoor, outdoor.