

**Date issued : 15.03.2006**  
**Revision Date: 29.02.2008**

**Version: 0003**

N/A = Not Applicable  
DNA = Data Not Available

# ***KNAUF USG Systems GmbH & Co. KG***

**1. Identification of the substance / preparation and company**

**1.1 Substance / preparation**

Commercial product name   **AQUAPANEL® Cement board indoor, outdoor**  
Application                   **fiberglass reinforced carrierplate**  
Product-code.  
Order-No.                       **10003, 10004, 20003, 20004, 103611, 103612, 103613, 103614, 103615, 103616, 103617, 103618, 111763**

Composition-No.

**1.2 Manufacturer**

KNAUF USG Systems GmbH & Co. KG  
Zur Helle 11  
D-58638 Iserlohn  
Telefon: int+49-(0)2374-50360                   Telefax: int+49-(0)2374-5036300  
e-mail: Info@Knauf-USG-Systems.com

**1.3 Emergency telephone**

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

**2. Hazard identification**

Hazards are not expected.

**2.1 Description of hazards**

Hazards are not expected.

**2.2 Impact on human health**

Hazards are not expected.

**2.3 Impact on environment**

Water endangerment category WGK 1 (self-classified)

**3. Composition / Information on ingredients**

The product is a manufactured item. The function of manufactured items is mainly determined due to their specific shape, surface and less due to the chemical composition. The carrierplate is composed of cement, fillers and mineral fibres.

**3.1 Hazardous constituents subjekt to the regulation 67/548/ECC**

CAS-No.	EC-No.	Chemical name	m %	Symbol	R-Phrases
N/A	N/A	N/A	N/A	N/A	N/A

see chapter 15. original terms of R-Phrases at chapter 16.2.

**3.2 Substances, not listed in chapter 2.1**

(see chapter 8.)

Potlandcement CAS 65 997-15-1 / EC 266-043-4

**3.3 additional information**

low chromate concentration according to TRGS 613.  
(Germany)

**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.

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**4.6 Information for the physician**

*Symptoms* N/A  
*Hazards* 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** (see chapter 8., personal protection)

Ventilate sufficiently

**6.2 Environmental protection** (see chapter 13., disposal)

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 an explosion prevention**

No special measures

**Additional requirements**

None

**7.2 Storage**

**Requirements for storage an 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**

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**8. Exposure and personal protection**

**8.1 exposure limit values**

CAS-No.	Chemical Name	Limits	Type of Limit
N/A	portlandcement (dust)	5 mg/m <sup>3</sup>	total inhalable
N/A	general threshold limit value(dust)	3 mg/m <sup>3</sup>	total respirable
N/A	general threshold limit value(dust)	10 mg/m <sup>3</sup>	total inhalable

**8.2 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 revitalising cream

**General measures**

Wash hands before breaks and end of work. When using do not drink or eat.

**9. Physical and chemical properties**

**9.1 General information**

**Form:** solid

**Colour:** cementgrey

**Odour:** Odourless

**9.2 Important information on health- and environmental safety**

**Melting point:**

>1000 °C

**Grammage (kg/m<sup>2</sup>):**

15 - 16

**Density (g/cm<sup>3</sup>):**

1000 – 1200

**9.3 Additional information**

None

**10. Stability and reactivity**

**10.1 Hazardous reactions**

No hazardous reactions known.

**10.2 Hazardous decomposition products**

No hazardous decomposition products known.

**10.3 Additional information**

None

**11. Toxicological information**

**11.1 Toxicological tests**

**11.1.1 Acute toxicity / specific result of animal experiments**

LD50 rats, oral	(mg/kg)	DNA
LC50 rats, inhalation	(mg/l/4h)	DNA
LD50 rats, dermal	(mg/kg)	> 2000

**11.1.2 Irritancy and corrosiveness / sensitising effect**

Skin irritation	DNA
Eye irritation	Direct contact on mucous membranes may cause irritation of the eyes. Mechanic irritation possible (wear safety glasses).
Skin sensitisation	Repeated or prolonged contact may cause skin irritation (wear impervious gloves).

**11.1.3 Subchronic, prolonged toxicity / carcinogenicity, mutagenicity and reproductive toxicity**

**Effects**

Carcinogenicity	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**

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**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 Bioaccumulative potential**

DNA

**12.5 Other adverse effects**

Ozon depletion DNA.  
 Potential for photochemical ozone formation DNA  
 AOX DNA

**12.6 Additional information**

COD-Value DNA  
 BOD-Value DNA

**Substances according to regulations 76/464/ECC and 80/68/ECC**

None

**12.7 Water endangerment category**

Slightly water endangering (WGK1), self-classified  
 Kepp 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)**

Notice:

Category: Construction and demolition wastes  
 Description: other construction and demolition wastes  
 Waste code : 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03  
 Disposal : D 1 above/ in ground waste storage (e.g. landfill)  
 Recycling : R 3/5 utilisation/recuperation of organic materials, those that are not used as solvents  
 Utilisation/recuperation of other organic materials

**13.2 uncleaned package**

Advice: containers are to be emptied. The containers can be reused.  
 Recommended cleaning procedure: a removal of the dry remaining contents 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.

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**15. Regulatory information**

**15.1 Labelling according to 67/548/ECC and 1999/45/EC**

Symbol : N/A  
 indication of danger: N/A  
 Components: N/A  
 R phrases: N/A  
 S phrases: N/A  
 Special labelling: N/A  
**Note:** not classified as hazardous

**15.2 National regulations**

Advice on : N/A  
 Statutory order on hazardous incidents: N/A  
 Classification acc. to VbF: N/A  
 Technische Anleitung Luft: N/A  
 Water endangerment category: WGK 1 (self-classified)

**Other regulations, restrictions:**

None known

**15.3 Chemical Safety Report**

*DNA*

**16. Additional information**

Portlandcement (exclusive component with hazardous properties)

Xi  
 R 38, 41

**16.1 Record retention**

NA  
 industry, private consumers

**Customers**

**16.2 Wording of R/S-phrases**

R38: Irritating to skin  
 R41: Risk of serious damage to eyes  
 S24: Avoid contact with the skin  
 S25: Avoid contact with eyes  
 S28: After contact with skin wash with plenty of water  
 S36: Wear suitable protective clothing  
 S37: Wear suitable gloves

**16.3 responsible division / contact / telephone**

**Contact information:**

KNAUF USG Systems GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn  
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changes in documentation: added article-No.:

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**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 assure 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.