

Date issued : 15.03.2006	Version: 0001
---------------------------------	----------------------

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**
 Composition-No.

1.2 Manufacturer

KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11
 D-58638 Iserlohn
 Telephone: int+49-(0)2374-50360 Fax: 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. 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.

2.1 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.

2.2 Substances, not listed in chapter 2.1

(see chapter 8.)

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

2.3 additional information

low chromate concentration according to TRGS 613.
(Germany)

3. Hazard identification

Hazards are not expected.

3.1 Description of hazards

Hazards are not expected.

3.2 Impact on human health

Hazards are not expected.

3.3 Impact on environment

Hazards are not expected.

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

Hazards

Hazards not expected

Treatment

symptomatic treatment

4.7 First aid equipment

N/A

4.8 Additional Information

None

Commercial product name: AQUAPANEL® Cement board indoor, outdoor
 Manufacturer/supplier: KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11, D-58638 Iserlohn
 Telephone: int+49-(0)2374-50360
 Product code:

Date issued: 15.03.2006

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

DNA

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 ³	total inhalable
N/A	general threshold limit value(dust)	3 mg/m ³	total respirable
N/A	general threshold limit value(dust)	10 mg/m ³	total inhalable

8.2 Limitation and control of occupational exposure

See chapter 7

Personal protection

Respiratory protection

Not applicable in duly practice

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.

Commercial product name: AQUAPANEL® Cement board indoor, outdoor
Manufacturer/supplier: KNAUF USG Systems GmbH & Co. KG
Zur Helle 11, D-58638 Iserlohn
Telephone: int+49-(0)2374-50360
Product code:

Date issued: 15.03.2006

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/m²): about 17

Density (g/cm³): 1200 -1400

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

11.1.3 Subchronic, prolonged toxicity / carcinogenity, mutagenicity and reproductive toxicity

Effects

Carcinogenity	DNA
Mutagenicity	DNA
Reproductive toxicity	DNA
Chronic Toxicity	DNA

11.1.4 Additional Information

11.2 Past exeiience

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.

Commercial product name: AQUAPANEL® Cement board indoor, outdoor
 Manufacturer/supplier: KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11, D-58638 Iserlohn
 Telephone: int+49-(0)2374-50360
 Product code:

Date issued: 15.03.2006

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 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

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: optimally contaminated containers are to be emptied. After suitable cleaning 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.

Commercial product name: AQUAPANEL® Cement board indoor, outdoor
 Manufacturer/supplier: KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11, D-58638 Iserlohn
 Telephone: int+49-(0)2374-50360
 Product code:

Date issued: 15.03.2006

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

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
 Telephone: int+49-(0)2374-50360 Fax: int+49-(0)2374-5036300

Version: 0001

16.3 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.