

Date of issue: 31.05.2005

Version: 0005

n.ap. = not applicable

n.av. = not available

KNAUF USG Systems GmbH & Co. KG

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

1.1 Identification of the substance or preparation

Trade name **AQUAPANEL® Exterior Tape**

Recommended use **sealant**

Substance code **60014**

1.2 Company/undertaking identification

KNAUF USG Systems GmbH & Co. KG

Zur Helle 11

D-58638 Iserlohn

Telephone: int+49-(0)2374-5036-0

Telefax: int+49-(0)2374-5036-300

1.3 Emergency telephone

Giftnotruf Berlin, Beratungsstelle für Vergiftungserscheinungen und Embryonaltoxikologie

Telephone: int+49-(0)30-19240

2. Composition/information on ingredients

This product is a glass fibre grid with PVC as bonding agent.

2.1 Substances presenting a health / environmental hazard within the meaning of Directive 67/548/EEC

CAS number	EC number	Identification	m %	Symbols	R-phrases
n.ap.	n.ap.	n.ap.	n.ap.	n.ap.	n.ap.

Further details see point 15. Full text of the R-phrases see point 16.2.

2.2 Substances subject to recognised exposure limit values pursuant to Community provisions but which are not covered by the Directive 67/548/EEC (see also point 8.)

Fiber dust, no limited evidence of a carcinogenic effect.

2.3 Additional information

None.

3. Hazards identification

3.1 Hazards identification

No special hazards have to be mentioned.

3.2 Critical hazards to man

No special hazards have to be mentioned, however irritation of the skin is possible in case of contact with glass particles.

Avoid liberation of fiber dust during processing and treatment.

3.3 Critical hazards to the environment

None.

4. First aid measures

4.1 General information

None.

4.2 after inhalation

n.ap.

4.3 after contact with skin

Wash off immediately with soap and water and rinse thoroughly.

Seek medical advice if skin irritation persists.

4.4 after contact with eyes

If fiber dust entering the eyes do not rub the eyes.

Rinse thoroughly with plenty of water. Consult an eye-specialist.

4.5 after ingestion

n.ap.

4.6 Hints for the physician

Symptoms

n.av.

Hazards

No particular hazards known.

Treatment

Treat symptomatically.

Remark

None.

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5. Fire-fighting measures

5.1 Suitable extinguishing media

Water spray jet, powder, foam.

5.2 Extinguishing media which must not be used for safety reasons

Full water jet.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

No special hazards have to be mentioned.

5.4 Special protective equipment for firefighters

In case of combustion use a suitable breathing apparatus.

5.5 Further information

None.

6. Accidental release measures

6.1 Personal precautions (see also point 8., Personal protective equipment)

Avoid liberation of fiber dust. Ensure adequate ventilation.

6.2 Environmental precautions (see also point 13., Disposal considerations)

No special measures necessary if used correctly.

6.3 Methods for cleaning/taking up

Pick up mechanically. Avoid formation of fiber dust.

6.4 Additional information

None.

7. Handling and storage (National measures see points 15. and 16.)

7.1 Handling

Advice on safe handling

No special measures necessary if used correctly. Avoid formation of fiber dust.

Advice on protection against fire and explosion

No special measures necessary.

Additional advice on system design

In case of dust formation exhaust ventilation at the object (initiation point) is necessary.

7.2 Storage

Requirements for storage rooms and vessels

No special measures necessary.

Advice on storage compatibility

None.

Further information on storage conditions

Protect from moisture.

Storage class (for Germany only)

11 (flammable solids).

7.3 Specific use(s)

No information about specific uses available.

8. Exposure controls / personal protection

CAS number	identification	threshold limit	remarks
n.ap.	fiber dust, no limited evidence of a carcinogenic effect	6 mg/m ³ *	general threshold limit of dust
		alveolar fraction	
		3 mg/m ³	general threshold limit of dust
		alveolar fraction (in general)	
		10 mg/m ³ **	general threshold limit of dust
		respirable fraction (in general)	
		exceeding factor 4 (see also no. 2.3 of TRGS 900)	

* threshold limit for particular activities/working areas in accordance with no. 2.4 sections 8, 9 TRGS 900 (amendment 09/01)

** notice: threshold limit from 01 April 2004 (in conjunction with no. 2.4 section 11 TRGS 900) (amendment 09/01)

Remark: In case of formation of fiber dust during processing and treatment, the threshold limit must be observed.

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8.2 Exposure controls (Occupational exposure controls / Environmental exposure controls)

See point 7. In case of dust formation exhaust ventilation at the object (initiation point) is necessary.

Personal protective equipment

Respiratory protection

Particle filter half mask FFP1 or half-/quarter-mask (particle filter P1) in case of fiber dust liberation.

Hand protection

Work gloves of chromium-free leather or nitrile impregnated cotton gloves.

Eye protection

Safety glasses in case of fiber dust liberation

Body protection

Work clothing.

General protective measures and hygiene measures

Avoid contact with eyes and skin.

Wash hands before breaks and after work; apply skin cream.

9. Physical and chemical properties

9.1 General information

Physical state: solid

Colour: n.av.

Odour: slight, characteristic

9.2 Important health, safety and environmental information

pH:

n.ap.

Self-ignition temperature (°C):

> 400

Solubility:

insoluble in water and most common solvents

9.3 Other information

None.

10. Stability and reactivity

10.1 Conditions to avoid / materials to avoid

No particular conditions and materials known.

10.2 Hazardous decomposition products

No hazardous decomposition products known if used as prescribed.

10.3 Additional information

None.

11. Toxicological information

11.1 Toxicological examination

11.1.1 Acute oral toxicity / acute dermal toxicity / acute inhalation toxicity

LD50 rat, oral (mg/kg) n.av.

LD50 rat, dermal (mg/kg) n.av.

LC50 rat, inhalation (mg/l/4h) n.av.

11.1.2 Irritant effect

Irritant effect on skin n.av.

Irritant effect on eyes n.av.

Sensitisation n.av.

11.1.3 Subacute toxicity / Sub-chronic toxicity / Chronic toxicity / Mutagenicity / Teratogenicity / Carcinogenicity

Carcinogenicity: n.av.

Mutagenicity: n.av.

Teratogenicity: n.av.

Chronic effect: n.av.

11.1.4 Further information

The glass fibers used in the product do not correspond to the WHO-definition and/or the value of the carcinogenicity index is ≥ 40 .

11.2 Experiences made in practice

Temporary reversible symptoms after mechanical effects of liberated fiber dust on the eyes, upper respiratory tract and skin cannot be ruled out.

11.3 General remarks

The product has not been tested.

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12. Ecological information

12.1 Ecotoxicity

Aquatic toxicity

LC50 (fish) n.av.

EC50 (daphnia) n.av.

IC50 (algae) n.av.

Behaviour in sewage works: Not to apply.

12.2 Mobility

The product has not been tested.

12.3 Data on elimination (persistence and degradability)

The product has not been tested.

12.4 Bioaccumulative potential

The product has not been tested.

12.5 Other adverse effects

Ozone depletion potential n.av.

Photochemical ozone creation potential n.av.

AOX-hint Not to apply.

12.6 Further information

Chemical oxygen demand (COD) n.av.

Biochemical oxygen demand (BOD5) n.av.

Contains according to the formulation following heavy metals and compounds of EC-Directives 76/464/EEC and 80/68/EEC:

None.

13. Disposal considerations

13.1 Product / unused product

Waste disposal corresponding to European Waste Catalogue.

Wastes must be classified with respect to their origin and depending on specific processing steps. The waste codes mentioned as follows are only constituted as our recommendations. Referring to the particular case they should be completed or revised.

Waste type

Wastes from thermal processes

Waste notation

Wastes from manufacture of glass and glass products

EC waste code

10 11 03 waste glass-based fibrous material

Disposal operations

D 1 Deposit into or onto land (e.g. landfill, etc.)

Recovery operations

R 5 Recycling/reclamation of other inorganic materials

13.2 Contaminated packaging

Recommendation

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Recommended cleansing agent

Remove adhering residues mechanically.

14. Transport information

14.1 Land transport ADR / RID / GGVSE

No dangerous good in accordance with the regulations.

14.2 Marine transport IMDG-Code / GGVSee

No dangerous good in accordance with the regulations.

14.3 Air transport ICAO / IATA-DGR

No dangerous good in accordance with the regulation.

15. Regulatory information

15.1 Labelling in accordance with Directive EC

Symbol(s) of danger: n.ap.

Indication(s) of danger: n.ap.

Hazardous component(s) to be indicated on label: n.ap.

R-phrases: n.ap.

S-phrases: n.ap.

Preparations not intended for the general public (the label on the packaging must bear the following inscription):
“Safety data sheet available for professional user on request.”

Remarks: None.

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15.2 National measures (for Germany only)

Restriction of occupation:	n.ap.
Major-accident regulation:	n.ap.
Fire and explosion hazards:	n.ap.
Regulation on clean air (TA Luft):	point 5.2.1 (exhaust stream in case of liberation of dust during processing and treatment)
Water hazard class:	not hazardous to water according to VwVwS
German Ordinance on Hazardous Substances (in accordance with EC-Directive 98/24/EC):	Articles 7, 8, 9, 14 Articles 15, 16, Annex III No 2, Annex V No 1 (in case of liberation of dust during processing and treatment)

16. Other information

16.1 Keeping (restrictions)

n.ap.

Distribution

for industry consumer, for the general public

16.2 Full text of the R-phrases

Not to apply.

16.3 Technical contact point

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Revised sections: 2., 2.2, 3.2, 4.3, 4.4, 6.2, 7.1, 8.1, 8.2, 11.1.4, 11.2, 15.1, 15.2

16.4 This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application.