

Date of issue: 31.05.2005

n.ap. = not applicable

n.av. = not available

Version: 0005

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® Tyvek StuccoWrap**Recommended use **water barrier**Substance code **60004****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 nonwoven spunbonded sheet of polyethylene. Some products contain antistatic treatment on surface, some contain UV-stabilisation (< 1%).

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.)

No substances.

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.

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

n.ap.

4.4 after contact with eyes

n.ap.

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.

5. Fire-fighting measures**5.1 Suitable extinguishing media**

Water spray jet, powder, carbon dioxide, 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

In the event of fire the following can be released: toxic and flammable gases, carbon monoxide.

5.4 Special protective equipment for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

5.5 Further information

Collect non burned residues and contaminated firefighting water separately and dispose of in accordance with the local regulations.

Trade name: AQUAPANEL® Tyvek StuccoWrap
 Company/Undertaking: KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11, D-58638 Iserlohn
 Telephone: int+49-(0)2374-5036-0

Date of issue: 31.05.2005

6. Accidental release measures

- 6.1 Personal precautions** (see also point 8., Personal protective equipment)
 No special measures necessary.
- 6.2 Environmental precautions** (see also point 13., Disposal considerations)
 No special measures necessary.
- 6.3 Methods for cleaning/taking up**
 Pick up mechanically. Risk of slipping due to a low coefficient of friction.
- 6.4 Additional information**
 None.

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

7.1 Handling

Advice on safe handling

Avoid skin contact with molten material. Avoid handling with important friction.

Advice on protection against fire and explosion

No special measures necessary.

Additional advice on system design

No additional advice.

7.2 Storage

Requirements for storage rooms and vessels

No special measures necessary.

Advice on storage compatibility

None.

Further information on storage conditions

No special measures necessary.

Storage class (for Germany only)

11 (flammable solids).

7.3 Specific use(s)

No information about specific uses available.

8. Exposure controls / personal protection

8.1 Exposure limit values (for Germany only)

CAS number	identification	threshold limit	remarks
n.ap.	n.ap.	n.ap.	n.ap.

Remark: § 9 (8) German Ordinance on Hazardous Substances must be observed.

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

See point 7.

Personal protective equipment

Respiratory protection

n.ap.

Hand protection

n.ap.

Eye protection

n.ap.

Body protection

n.ap.

General protective measures and hygiene measures

Avoid skin contact with molten material.

9. Physical and chemical properties

9.1 General information

Physical state: solid

Colour: white

Odour: odourless

9.2 Important health, safety and environmental information

pH:

n.ap.

Melting point / melting range (°C):

approx. 135

Decomposition temperature (°C):

> 200 in the presence of oxygen

Flammability:

not easily flammable

Auto-ignition temperature (°C):

330 - 350

Density (g/cm³) (20°C):

0.955

Solubility in water:

when used: antistatic treatment on surface is soluble in water

9.3 Other information

None.

Trade name: AQUAPANEL® Tyvek StuccoWrap
 Company/Undertaking: KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11, D-58638 Iserlohn
 Telephone: int+49-(0)2374-5036-0

Date of issue: 31.05.2005

10. Stability and reactivity

10.1 Conditions to avoid / materials to avoid

Temperatures above 200°C.

10.2 Hazardous decomposition products

Above 200°C may be released: toxic and flammable gases, carbon monoxide.

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

None.

11.2 Experiences made in practice

In case of skin contact molten material can adhere and cause burns.

11.3 General remarks

The product has not been tested.

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.

Trade name: AQUAPANEL® Tyvek StuccoWrap
 Company/Undertaking: KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11, D-58638 Iserlohn
 Telephone: int+49-(0)2374-5036-0

Date of issue: 31.05.2005

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	Construction and demolition wastes
Waste notation	Other construction and demolition wastes
EC 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 operations	D 10 Incineration on land
Recovery operations	R 3 Recycling/reclamation of organic substances which are not used as solvents

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
 14.2 Marine transport IMDG-Code / GGVSee
 14.3 Air transport ICAO / IATA-DGR

No dangerous good in accordance with the regulations.
 No dangerous good in accordance with the regulations.
 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.
 Special labelling for certain preparations: n.ap.
 Remarks: None.

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): n.ap.
 Water hazard class: not hazardous to water according to VwVwS
 German Ordinance on Hazardous Substances
 (in accordance with EC-Directive 98/24/EC): Article 14

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

KNAUF USG Systems GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn

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

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

Version 0005: replacement of version 0004 dated 28.05.2004

Revised sections: 8.1, 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.