

Date of issue: 23.04.2009
 n.ap. = not applicable
 n.av. = not available

Version: 0010

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® Interior Primer**
 Product number **knus0008**
 Substance code **49279**

1.2 Use of the substance/preparation

The product is used as a primer/primer coating and as a layer to promote adhesion.

1.3 Company/undertaking identification

KNAUF USG Systems GmbH & Co. KG
 Zur Helle 11
 D-58638 Iserlohn
 Telephone: int+49-(0)2374-50360 Fax: int+49-(0)2374-5036300

1.4 Emergency telephone

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

2. Hazards identification

2.1 Hazards identification

The product is not dangerous within the meaning of the current version of Directive 1999/45/EC.

2.2 Critical hazards to man

No special hazards have to be mentioned.

2.3 Critical hazards to the environment

The product is classified as low hazardous to water.

3. Composition/information on ingredients

This product is a preparation. It is an aqueous dispersion of a acrylic-acid ester copolymer, limestone flour and additives.

3.1 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.

For further details see heading 15.

3.2 Substances for which there are Community workplace exposure limits, which are not already included under heading 3.1 (see also heading 8.)

No substances.

3.3 Additional information

None.

4. First aid measures

4.1 General information

Remove contaminated, soaked clothing.

4.2 after inhalation

Ensure supply of fresh air.

4.3 after contact with skin

In case of contact with skin wash off with soap and water.

Do not try to remove product crusts from affected parts of the skin by force or by using solvents.

4.4 after contact with eyes

In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

4.5 after ingestion

Rinse out mouth immediately and give plenty of water to drink. Take medical treatment.

4.6 Hints for the physician

Symptoms n.av.

Hazards n.av.

Treatment Treat symptomatically.

4.7 First aid equipment

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Emergency eyewash should be available in the immediate working surroundings.

4.8 Additional remarks

None.

5. Fire-fighting measures

5.1 Suitable extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be discussed.

5.2 Extinguishing media which must not be used for safety reasons

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be discussed.

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: carbon dioxide, carbon monoxide.

5.4 Special protective equipment for fire-fighters

In case of combustion use a suitable breathing apparatus.

5.5 Further information

None.

6. Accidental release measures

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

Ensure adequate ventilation.

Use personal protective clothing.

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

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods for cleaning up

Absorb with liquid-binding material (e.g. kieselguhr).

Flush away residues with water.

6.4 Additional information

None.

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

7.1 Handling

7.1.1 Advice on safe handling

Ensure adequate ventilation.

7.1.2 Advice on protection against fire and explosion

No special measures necessary.

7.2 Storage

7.2.1 Requirements for storage rooms and vessels

Keep container tightly closed.

7.2.2 Advice on storage compatibility

No special measures necessary.

7.2.3 Further information on storage conditions

Protect from frost, intensive heat and direct sunlight.

7.2.4 Storage class (for Germany only)

LGK 12 (non-flammable liquid) in accordance with the VCI Guideline for the mixed storage of chemicals.

7.3 Specific use(s)

In accordance with GISBAU (Information system of the the German professional associations for building and construction industry):

GISCODE M-GP01 (water based primers, pigmented)

8. Exposure controls/Personal protection

8.1 Exposure limit values

CAS number	Identification	Limit values	Remarks
n.ap.	n.ap.	n.ap.	n.ap.

8.2 Exposure controls

See also heading 7.1.

Additional advice on system design

No additional advice.

8.2.1 Occupational exposure controls

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Personal protective equipment**Respiratory protection**

In case of spraying, higher concentrations and if ventilation insufficient, use a respiratory protection apparatus with respiration filter (particle filter P2).

Hand protection

Protective gloves made of natural rubber latex, neoprene, nitrile, PVC, fluorinated rubber, butyl rubber.

A list of models of suitable protective gloves for handling this product can be found under GISCODE M-GP01 (water based primers, pigmented) in accordance with GISBAU (Information system of the German professional associations for building and construction industry).

Eye protection

Safety glasses.

Body protection

Work clothing.

General protective measures and hygiene measures

Avoid contact with eyes and skin. Remove contaminated, soaked clothing.

At work do not eat, drink, smoke or take drugs.

Wash hands before breaks and after work. Protect skin by using skin protective cream.

Emergency eyewash should be available in the immediate working surroundings.

Do not try to remove product crusts from affected parts of the skin by force or by using solvents.

8.2.2 Environmental exposure controls

See heading 6.

9. Physical and chemical properties**9.1 General information**

Physical state: liquid **Colour:** orange **Odour:** slight

9.2 Important health, safety and environmental information

pH (as supplied) (20°C):	5-7	(of an aqueous solution) (20°C):	5-7
Boiling point / boiling range (°C):	100 (water)		
Melting point / melting range (°C):	0 (water)		
Thermal decomposition (°C):	n.av.		
Flash point (°C), c.c.:	n.ap.		
Flammability:	n.ap.		
Ignition temperature (°C):	n.ap.		
Autoflammability:	n.ap.		
Oxidising properties:	n.ap.		
Lower explosion limit:	n.ap.	Upper explosion limit:	n.ap.
Vapour pressure (20°C) (hPa):	23 (water)		
Density (g/cm ³) (20°C):	1.05		
Solubility in water:	miscible		
Soluble in:	n.av.		
Viscosity (mPa·s) (20°C):	approx. 20000		

9.3 Other information

None.

10. Stability and reactivity**10.1 Conditions to avoid**

No particular conditions known.

10.2 Materials to avoid

No particular materials known.

10.3 Hazardous decomposition products

No decomposition if used as prescribed.

10.4 Additional information

None.

11. Toxicological information

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11.1 Toxicokinetics, metabolism and distribution

No data are available for the product.

11.2 Acute effects (acute toxicity, irritation and corrosivity)

LD50 rat, oral	(mg/kg)	n.av.
LD50 rat, dermal	(mg/kg)	n.av.
LC50 rat, inhalation	(mg/l/4h)	n.av.
Irritant effect on skin		n.av.
Irritant effect on eyes		n.av.

11.3 Sensitisation

No data are available for the product.

11.4 Repeated dose (sub-acute, sub-chronic, chronic)

No data are available for the preparation.

11.5 CMR effects (carcinogenicity, mutagenicity, toxicity for the reproduction)

Carcinogenicity	n.av.
Mutagenicity	n.av.
Toxicity for the reproduction	n.av.

11.6 Comprehensive evaluation of the CMR properties of substances subject to registration

No data available.

11.7 Experiences made in practice

None.

11.8 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:

When low concentrations are discharged correctly into adapted biological sewage treatment plants, disturbance of the degradation activity of activated sludge is not likely.

12.2 Mobility

The product has not been tested.

12.3 Persistence and degradability

The product can be largely eliminated from the water by abiotic processes, e.g. adsorption by activated sludge. Do not release into waterways untreated (biological sewage treatment plant).

12.4 Bioaccumulative potential

The product has not been tested.

12.5 Results of PBT assessment

No data available.

12.6 Other adverse effects

Ozone depletion potential	n.av.
Photochemical ozone creation potential	n.av.
Global warming potential	n.av.
AOX-hint	Not to apply.

12.7 Further information

Chemical oxygen demand (COD)	n.av.
Biochemical oxygen demand (BOD5)	n.av.

The product is classified as low hazardous to water.

Contains according to the formulation following heavy metals and compounds of EC-Directives 2006/11/EC and 80/68/EEC:

None.

13. Disposal considerations

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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 the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks
	Waste notation	Wastes from MFSU and removal of paint and varnish
	EC waste code	08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
	Waste type (hardened paints)	Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks
	Waste notation	Wastes from MFSU and removal of paint and varnish
	EC waste code	08 01 12 waste paint and varnish other than those mentioned in 08 01 11
	Disposal operations	D 9 Physico-chemical treatment
	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. Packaging that cannot be cleaned should be disposed off as product waste.
	Recommended cleansing agent	Water

14. Transport information

14.1 Land transport ADR / RID

No dangerous good in accordance with the regulations.

14.2 Marine transport IMDG-Code

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 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for a substance in the product.

15.2 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:

The normal safety precautions for handling of chemicals must be observed.

15.3 Further Community legislation

None.

15.4 National measures (for Germany only)

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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:	1 (self-classification according to annex 4, No 3 VwVwS) The Federal State Enactment for Facilities to Handle Water Endangering Substances (German VAwS–Anlagen-Verordnung) has to be observed.
German Ordinance on Hazardous Substances (in accordance with EC-Directive 98/24/EC):	Articles 7 and 9 must be observed. Articles 8 and 14 must be observed as required.

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 referred to under heading 3 of the Safety Data Sheet
Not to apply.

16.3 Technical contact point

KNAUF USG Systems GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn
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Fax: int+49-(0)2374-5036300

Version 0010: replacement of version 0009 dated 06.06.2008

Revised headings: 3.

16.4 The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.