

Seite 1 von 6 EN
Revision: 18.11.2002 Replaces the version of: 16.05.2002 Printing date: 25.08.2003
W-K+D SCHNELLHAERTEND SCHWA. 310 ml
Art.: 890 10073

Safety Data Sheet according to EEC-Regulation 91/155/EEC

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

Identification of the substance or preparation

WU GLUE + SEAL QUICK-SET BLACK 310 ml

Art.: 890 10073

Use of the substance/preparation

Adhesive
Sealant

Company/undertaking identification

A. Wuerth GmbH & Co. KG, Reinhold-Würth-Str. 12-16, D-74653, Künzelsau
Telephone ++49 (0)7940/15-0, Fax ++49 (0)7940/15 10 00

Emergency telephone / Office for advice

Advisory office in case of poisoning:

Tel.: +49 30 / 19240

Telephone number of the company in case of emergencies:

Tel. 8.00h - 16.00h ++49 (0)7940/15-2457

2. Composition/information on ingredients

Gen. description:

Polyurethane adhesive / sealing putty

2.1 Chemical name	content %	symbol	R-phrases	CAS	EINECS, ELINCS
4,4'-methylenediphenyl diisocyanate	0,1 -< 1	Xn/Xi	20-36/37/38-42/43		202-966-0
Xylene	1 - 2,5	Xn/Xi	10-20/21-38		215-535-7
Naphtha (petroleum), hydrodesulfurized heavy	0,1 -< 1	Xn/N	10-51-53-65-66-67		265-185-4

For complete wording of the R-phrases, refer to point 16.

3. Hazards identification

3.1 To people

See point 11 and 15.

Preparation is classified as hazardous in the sense of directive 1999/45/EG.

May cause sensitization by inhalation.

3.2 To the environment

See point 12.

4. First aid measures

4.1 Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Remove person from danger area.

4.2 Eye contact

Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

4.3 Skin contact

Wash thoroughly with soap and copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion

Call doctor immediately - have Data Sheet available.

Seite 2 von 6 EN
Revision: 18.11.2002 Replaces the version of: 16.05.2002 Printing date: 25.08.2003
W-K+D SCHNELLHAERTEND SCHWA. 310 ml
Art.: 890 10073

Do not induce vomiting.

4.5 Special resources necessary for first aid

n.g.

5. Fire-fighting measures

5.1 Suitable extinguishing media

Cool container at risk with water.

Adapt to the nature and extent of fire.

5.2 Extinguishing media which must not be used for safety reasons

n.g.

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

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Hydrogen chloride

Isocyanates

Hydrocyanic acid (hydrogen cyanide)

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply

According to size of fire

Full protection, if necessary

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If air supply is not sufficient, wear protective breathing apparatus.

6.2 Environmental measures

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

If leakage occurs, dam up.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium), and dispose of according to point 13.

7. Handling and storage

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation.

Use working methods according to operating instructions.

Observe directions on label and instructions for use.

Wash hands before breaks and at end of work.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.

Store products only unopened, in original packing.

13 Keep away from food, drink and animal feedingstuffs.

Special storage conditions:

See point 10.2

Protect against moisture and store closed.

Seite 3 von 6 EN
Revision: 18.11.2002 Replaces the version of: 16.05.2002 Printing date: 25.08.2003
W-K+D SCHNELLHAERTEND SCHWA. 310 ml
Art.: 890 10073

Protect from direct sunlight and warming.
Protect from frost.

8. Exposure controls/personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the OES, MEL or MAK values,
suitable breathing protection should be worn.

Chemical name	content %	OES, MEL, MAK, TRK	BMGV, BAT
4,4'-methylenediphenyl diisocyanate	0,1 -< 1	0,02 mg/m ³ (isocyanates, all (as -NCO))	10 µg/g Kreatinin
Xylene	1 - 2,5	50 ppm (220 mg/m ³), 221 mg/m ³ (EC)	1,5 mg/l (2 g/l)
Naphtha (petroleum), hydrodesulfurized heavy	0,1 -< 1	100 ppm (500 mg/m ³)	

8.1 Respiratory protection:

If air supply is not sufficient, wear protective breathing apparatus.

Filter ABEK EN 141

8.2 Hand protection:

Protective hand cream recommended.

Protective nitrile gloves (EN 374)

Or:

Protective gloves in butyl rubber (EN 374).

8.3 Eye protection:

Protective goggles (EN 166)

8.4 Skin protection:

Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates
and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics
and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance
so it has to be tested before use. The exact breakthrough time of the glove material can be
requested from the protective glove manufacturer and must be observed.

9. Physical and chemical properties

Physical state:	Pastelike
Colour:	According to specification
Odour:	Characteristic
pH-value undiluted:	k.D.v.
Boiling point / range (°C):	k.D.v.
Melting point / range (°C):	k.D.v.
Flash point (°C):	> 65
Vapour pressure:	k.D.v.
Relative density (g/ml):	~ 1,27 g/cm ³ (20°C)
Solubility in water:	reacts with water
Viscosity:	k.D.v.
VOC:	~ 4,04%

10. Stability and reactivity

10.1 Conditions to avoid

See point 7

Protect from humidity.

Danger of bursting (explosion) when heated.

Seite 4 von 6 EN

Revision: 18.11.2002 Replaces the version of: 16.05.2002 Printing date: 25.08.2003

W-K+D SCHNELLHAERTEND SCHWA. 310 ml

Art.: 890 10073

10.2 Materials to avoid

See point 7

Avoid contact with other chemicals.

10.3 Hazardous decomposition products

See point 5.3

11. Toxicological information

11.1 Acute toxicity and immediate effects

11.1.1 Ingestion, LD50 rat oral (mg/kg): k.D.v.

11.1.2 Inhalation, LC50 rat inhal.(mg/l/4h): k.D.v.

11.1.3 Skin contact, LD50 rat dermal (mg/kg): k.D.v.

11.1.4 Eye contact: k.D.v.

11.2 Delayed and chronic effects

11.2.1 Sensitization: Yes (inhalation)

11.2.2 Carcinogenicity: k.D.v.

11.2.3 Mutagenicity: k.D.v.

11.2.4 Reproductive toxicity: k.D.v.

11.2.5 Narcosis: k.D.v.

11.3. Further information

Classification according to calculation procedure.

Allergic reaction possible.

The following may occur:

Irritation of the eyes

Irritation of the respiratory tract

Irritation of the skin.

Ingestion:

Product is dangerous to health.

12. Ecological information

Water hazard class: 1

Self classification: Yes (VwVwS)

Persistence and degradability: k.D.v.

Behaviour in sewage plants:

AOX:

k.D.v.

Aquatic toxicity: k.D.v.

Ecological toxicity: k.D.v.

13. Disposal considerations

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

08 04 09 - waste adhesives and sealants containing organic solvents or other dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

15 01 01 - paper and cardboard packaging

15 01 02 - plastic packaging

Seite 5 von 6 EN
Revision: 18.11.2002 Replaces the version of: 16.05.2002 Printing date: 25.08.2003
W-K+D SCHNELLHAERTEND SCHWA. 310 ml
Art.: 890 10073

15 01 04 - metallic packaging
15 01 06 - mixed packaging
Cleaned packaging:
Dispose using dual system.

14. Transport information

General statements

UN-Number: n.a.

Road/Rail-transport (ADR/RID)

Class/packing-group: n.a.

Classification code: n.a.

LQ: n.a.

Transport by sea

IMDG-code: n.a. (class/packing-group)

EmS-Number: n.a.

Marine Pollutant: n.a.

Transport by air

IATA: n.a. (class/secondary danger/packing-group)

Additional information:

Non-dangerous material according to Transport Regulations.

15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC Guidelines (67/548/EEC and 1999/45/EC)

Symbols: Xn

Indications of danger: Harmful

R-phrases:

42 May cause sensitisation by inhalation.

S-phrases:

23.b Do not breathe vapour.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

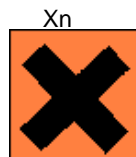
Additions:

Contains isocyanates. See information supplied by the manufacturer.

4,4'-methylenediphenyl diisocyanate

Observe restrictions: Yes

Observe youth employment law (German regulation).



16. Other information

These details refer to the product as it is delivered.

Storage class VCI (Germany): 10/12

Revised points: 2,8,

20 Harmful by inhalation.

36/37/38 Irritating to eyes, respiratory system and skin.

42/43 May cause sensitisation by inhalation and skin contact.

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

51 Toxic to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Legend:

n.a. = not applicable / n.v., k.D.v. = not available / n.g. = not checked / OES = Occupational exposure standard

Seite 6 von 6 EN
Revision: 18.11.2002 Replaces the version of: 16.05.2002 Printing date: 25.08.2003
W-K+D SCHNELLHAERTEND SCHWA. 310 ml
Art.: 890 10073

MEL = Maximum exposure limit / BMGV = Biological monitoring guidance value / MAK = Maximum concentration for work place (Germany) / TRK = Technical guidance concentration (Germany) / BAT = Biological tolerance for work place (Germany)
VbF = Regulations for flammable liquids (Germany) / TRbF = Technical regulations for flammable liquids (Germany)
WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water
VOC-CH=Volatile organic compounds(VOCV - Switzerland)/AOX=Adsorbable organic halogen compounds
VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

Chemical Check GmbH, Beim Staumberge 3, D-32839 Steinheim, Tel.: 01805-CHEMICAL / 01805-243 642, Fax: 05233-941790

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