

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

Trade name

UNIFLEX-PU Kleb- und Dichtmasse schwarz

Use of the substance / preparation

Sealant

[Distributor in New Zealand](#)

Manufacturer / marketer identification

[R A Johnstone & Co Ltd](#)VOSSCHEMIE GmbH
Esinger Steinweg 50[739 Great South Road, Otahuhu](#)

D-25436 Uetersen

[PO Box 97 948 SAMC. Manukau 2240](#)

Tel. +49-4122/717-0 Fax. +49-4122/717158

[Auckland. New Zealand](#)

Information provided by:

[Ph :+64 9 261 0333](#)

Laboratory / Telephone: +49-4122-717-0

[Fax:+64 9 261 0330](#)Emergency information:
Giftinformationszentrum(GIZ)-Nord, Göttingen
Telephone Numbers: +49-551-19240,[www.raj.co.nz](#)[Emergency telephone in New Zealand](#)

+49-551-383180

[National Poison Center\(24 hours\):](#)[0800 POISON \[764 766\]](#)**2. Composition/information on ingredients**

Chemical characterization

Description

Moisture cured sealing and adhesive

Dangerous components

*

CAS No.	EC No	content unit	danger symbol	R phrases
Identification according to EEC Directive Classification				
1330-20-7	215-535-7	< 5,0 %	Xn	R10, R20/21, R38
XYLENE, MIXTURE OF ISOMERS R10 Xn, R20/21 Xi, R38				
100-41-4	202-849-4	< 2,0 %	F, Xn	R11, R20
ETHYLBENZENE F, R11 Xn, R20				
90622-57-4	292-459-0	< 2,0 %	Xn	R53, R65, R66
Isoparaffin mixture				
26447-40-5	247-714-0	< 1,0 %	Xn	R20, R36/37/38, R42/43
Methylenediphenyl diisocyanate, mixture of isomers Xn, R20 Xi, R36/37/38 R42/43				



Full text of R-Phrases: see under section 16.

3. Hazards identification

May cause sensitization by inhalation.

Contains isocyanates. See information supplied by the manufacturer.

[The HSNO Approval Number for this Group Standard is HSR002670](#)

4. First aid measures

First aid measures / general indications

Pay attention to self-protection.
Remove contaminated clothes without delay.
In case of unwellness seek medical advice.

First Aid measures / inhalation

Provide for fresh air, if complaints occur, consult a doctor immediately.
Irregular breathing/no breathing: artificial respiration
Infirmities and allergic reactions can appear with delay.
In case of unconsciousness place and transport casualty in stable position (lying sideways).

First Aid measures / skin contact

Remove mechanically and wash off with plenty of soap and water.

First Aid measures / eye contact

Rinse immediately with plenty of water with eyelid open (for at least 15 minutes), then send for a doctor immediately.

First Aid measures / ingestion

Do not induce vomiting. Seek immediately for medical attention.

5. Fire-fighting measures

Appropriate extinguishing media

Water spray jet, alcohol-resistant foam, dry powder, carbon dioxide.

Extinguishing media that must not be used for safety reasons

Water beam

Special hazards arising from the product itself, from combustion products or from resulting gases

In case of combustion, formation of hydrogen chloride and nitrous gases among others possible.

Special protective equipment for fire-fighters

Do not inhale combustion gases.
Wear protective clothing and self-contained breathing apparatus.

6. Accidental release measures

Personal precautions

Observe safety regulations (see section 7 and section 8).
Avoid contact with the skin, eyes and clothing.
Do not breathe vapour. Provide adequate ventilation.
Keep away from sources of ignition.
Keep away persons not involved.

Environmental precautions

Do not allow to enter the ground, natural waters or the drain.
If rivers, lakes or waste water lines are contaminated, notify the responsible authorities in accordance with the local laws.

Methods for cleaning up/taking up

Take up mechanically and collect in suitable containers.
Dispose of waste material in accordance with the regulations, as described under section 13.

7. Handling and storage

Handling

Avoid contact with eyes, skin and clothing.
Ensure that there is adequate ventilation in the working area.
Close immediately after taking out.

Keep away from sources of ignition - no smoking.

Storage

Keep container tightly closed and store in a cool, dry and well ventilated place.
Protect against heat and direct sunlight.
Protect from frost
Keep away from food, drink and animal feeding stuffs

8. Exposure controls/personal protection

Components for which limit values for exposure at the place of work exist:

*

Identification according to EEC Directive
CAS No EC No limit value

XYLENE, MIXTURE OF ISOMERS

1330-20-7	215-535-7	MAK-Grenzwert	100	ml/m3
		MAK-Grenzwert	440	mg/m3

skin penetrative

ETHYLBENZENE

100-41-4	202-849-4	MAK-Grenzwert	100	ppm
		MAK-Grenzwert	440	mg/m3

skin penetrative

Isoparaffin mixture

90622-57-4	292-459-0	MAK-Grenzwert	1000	mg/m3
		MAK-Grenzwert	200	ml/m3

4,4'-methylenediphenyl diisocyanate				
101-68-8	202-966-0	MAK-Grenzwert	0.050	mg/m3

Personal protection

Respiratory protection

Provide good ventilation.

Respiratory protection is required when limit values are exceeded.

Recommended: filter type A, colour brown.

Hand protection

Use skin protective barrier cream

Use protective gloves

Recommended:

Fluor rubber

The resistance of the protective gloves to chemicals should be ascertained with the respective supplier. Specific conditions at workplace should be taken to consideration.

Eye protection

Use tightly fitting safety goggles.

Hygiene measures

Apply a suitable skin protective agent before work.

Do not eat, drink or smoke during work.

Wash hands before pauses and when ending work.

Remove contaminated clothes immediately.

Store working clothes separately.

9. Physical and chemical properties

Appearance

Form : pasty

Colour : coloured

Odour : slightly aromatic

Security-relevant data

initial boiling point			
Reference value	From	To	°C

Method: not applicable

Flash point: °C

Method : not applicable

Ignition temperature : > 200 °C

Method :

Lower explosion limit: 0,4 % vol

Method :

Upper explosion limit: 8,0 % vol

Method :

Vapour pressure: 20°C < 100 hPa

Method :
Density at: 20°C ca. 1,2 g/cm³
Method :
Solubility in water: insoluble, reacts
Solvent content: 5,9 %

10. Stability and reactivity

Dangerous reactions

Exothermic reaction with amines and alcohols
Reacts with aqueous acids and alkalies.
in contact with water (moisture) CO₂ is formed which leads to an
excess pressure in closed containers
risk of bursting

Hazardous decomposition products

In case of fire formation of toxic gases, see also sec. 5.

Thermal decomposition

Not to be considered if duly stored and manipulated.

11. Toxicological information

May cause sensitization by inhalation
Prolonged or repeated skin contact can cause skin irritation.

12. Ecological information

Do not allow to enter the ground, natural waters or the drain.

13. Advice on disposal

Disposal / product
In accordance with local administrative provisions,
take to an appropriate incineration installation,

Waste code no. / name of waste (only for Germany)

08 04 09 Klebstoff- und Dichtmassenabfälle, die organische
Lösemittel oder andere gefährliche Stoffe enthalten

The waste codes quoted are only recommendations. Other waste
codes may also be possible with regard to different regional
regulations.

14. Transport information

Non-hazardous transport goods within the meaning of the hazardous
goods regulations.

Protect against wetness

15. Regulatory information

Labelling [The HSNO Approval Number for this Group Standard is HSR002670](#)

Contains:
methylenediphenyl diisocyanate, mixture of isomers

Symbol and indication of danger

Xn Harmful

R phrases
R 42 May cause sensitization by inhalation

S phrases
S 01/02 Keep locked up and out of reach of children
+ S 23 Do not breathe vapour/spray
S 45 In case of accident or if you feel unwell, seek
medical advice immediately (show the label where
possible).

Special labelling for certain preparations
Contains isocyanates. See information supplied by the
manufacturer

National regulations (D)

The legal regulations for limited employment, e.g. the law for the protection of youth work and the decree for the legal protection of motherhood, have to be observed.

+ TA-Luft (Technical guidance air):
Class II 4,6% and class III 1,3%

* Class of danger to water (WGK):
1 (self-classification without testing)

Consult the technical leaflets by BG-Chemie (Employment Accident Insurance Fund for the Chemical Industry)
M 044 Polyurethan-Herstellung/Isocyanate
M 017 Lösemittel

16. Other information

Relevant R phrases

R 10 Flammable
R 11 Highly flammable
R 20 Harmful by inhalation
R 20/21 Harmful by inhalation and in contact with skin
R 36/37/38 Irritating to eyes, respiratory system and skin
R 38 Irritating to skin
R 42 May cause sensitization by inhalation
R 42/43 May cause sensitization by inhalation and skin contact
R 53 May cause long-term adverse effects in the aquatic environment
R 65 Harmful: may cause lung damage if swallowed
R 66 Repeated exposure may cause skin dryness or cracking

* + Data changed compared with the previous version.

Sections where no data are entered indicate that no data are known, or no experience is available. This does not justify the assumption that no danger can arise from the relevant point under consideration.

The information given is based on the current state of our knowledge and experience. The safety data sheet describes products with regard to safety requirements. The data do not represent a guarantee of properties.

This product may only be used according to its foreseen aim.