

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 09.10.2007

Revision: 09.10.2007

1 Identification of substance

- **Product details**
- **Trade name** **PUR Roof Coat WF Comp. A**
- **Application of the substance / the preparation** Sealing
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
Postfach 1255
D-49624 Lönningen / Germany
Tel.: 05432/83-0
Fax: 05432/3985
- **Informing department:**
Product Safety department: Tel.: +49 (0)5432/83-138/-538
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- **Emergency information:**
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U.K.: Tel.: +44 (0) 845 373 0103
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after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 42/43 May cause sensitisation by inhalation and skin contact.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Contains isocyanates. See information supplied by the manufacturer
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture consisting of the following components.

- **Dangerous components:**

CAS: 9016-87-9	diphenylmethanediisocyanate, isomeres and homologues Xn, Xi; R 20-36/37/38-42/43	2.5-<10%
CAS: 95-63-6 EINECS: 202-436-9	1,2,4-trimethylbenzene Xn, Xi, N; R 10-20-36/37/38-51/53	2.5-<10%
CAS: 108-67-8 EINECS: 203-604-4	mesitylene Xi, N; R 10-37-51/53	≤0.5%
CAS: 98-82-8 EINECS: 202-704-5	isopropylbenzene Xn, Xi, N; R 10-37-51/53-65	≤0.5%

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- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information**

Immediately remove any clothing soiled by the product.
In case of irregular breathing or respiratory arrest, provide artificial respiration.

- **After inhalation**

Supply fresh air and call for doctor for safety reasons.
In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact** Wash immediately with water and soap and rinse thoroughly.

- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

- **After swallowing** In case of prolonged discomfort, see a doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.

- **Measures for environmental protection:**

Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.

- **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Additional information:** See Section 13 for information on disposal.

7 Handling and storage

- **Handling**

- **Information for safe handling:**

No special measures required.
Use only in well ventilated areas.
Avoid the formation of aerosols.

- **Information about protection against explosions and fires:** No special requirements.

- **Storage**

- **Requirements to be met by storerooms and containers:** none

- **Information on storage in a common storage facility:**

Suitable material for containers and pipes: Light metals and their alloys.

- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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95-63-6 1,2,4-trimethylbenzene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
ILV	

- **Additional information:** The lists that were valid during compilation were used as a basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from food, beverages and animal feed.
Immediately remove soiled, saturated clothing.
Wash hands before pauses and after work.
- **Respiratory equipment:**
If the solvent concentration is above TLV-values, respiratory equipment admitted for this purpose must be worn.
- **Protection of hands:** Protective gloves.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **General Information**

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	167°C

- **Flash point:** 70°C (Setaflash)

- **Ignition temperature:** 507°C

- **Self-inflammability:** Product is not self-igniting.

- **Danger of explosion:** Product is not explosive.

- **Vapour pressure at 20°C:** 1 hPa

- **Density at 20°C** 1.4 g/cm³

- **Solubility in / Miscibility with Water:**

Insoluble

- **Viscosity:**

dynamic at 20°C:	3800 mPas
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- **Solvent content:**

Organic solvents:	4.1 %
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- **Solid content:** 91.0 %

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Additional toxicological information:**
The product shows the following dangers based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant
- **Sensitisation** May cause sensitisation by inhalation and skin contact.

12 Ecological information:

- **General notes:**
Water hazard class 1 : slightly hazardous to water.
Do not allow product to reach ground water, bodies of water or sewage system.
Harmful to aquatic organisms

13 Notes on disposal:

- **Product:**
- **Recommendation**
Do not dispose of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID and GGVs/GGVE (cross-border/domestic)**
- **ADR/RID-GGVs/E Class:** /

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** /

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** /

- **Transport/Additional information:** Not a hazardous good according to the above regulations.

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Guidelines / Ordinance on Hazardous Materials (GefStoffV)

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· **Code letter and hazard designation of product:**



Xn Harmful

· **Hazard-determining components of labelling:**

diphenylmethanediisocyanate, isomeres and homologues

· **Risk phrases:**

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

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

23 Do not breathe fumes/aerosol.

24 Avoid contact with skin.

37 Wear suitable gloves.

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

60 This material and its container must be disposed of as hazardous waste.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer

· **National regulations**

· **Technical instructions (air):**

Class	Proportion in %
I	5-<10
NK	5-<10

· **Water hazard class:** Water hazard class 1: slightly hazardous to water.

· **Other regulations, limitations and prohibition ordinances**

· **Professional Association (BG) Code of Practice:**

M 044 "Polyurethane production/isocyanates"

M 004 "Irritating substances/corrosive substances"

16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

· **Relevant R-phrases**

10 Flammable.

20 Harmful by inhalation.

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

37 Irritating to respiratory system.

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

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

· **Department issuing data specification sheet:** Product Safety department