

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 10.10.2007

Revision: 10.10.2007

1 Identification of substance

- **Product details**
- **Trade name** PUR Primer P-EK
- **Article number:** 9004
- **Application of the substance / the preparation** Sealing
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
Postfach 1255
D-49624 Lönningen / Germany
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Fax: 05432/3985
- **Informing department:**
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2 Hazards identification

- **Hazard designation:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**

R 10 Flammable.
 R 20/21 Harmful by inhalation and in contact with skin.
 R 36/37/38 Irritating to eyes, respiratory system and skin.
 R 42/43 May cause sensitisation by inhalation and skin contact.
 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: 1330-20-7	xylene, mixed isomers, pure	25-50%
EINECS: 215-535-7	Xn, Xi; R 10-20/21-38	
CAS: 9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	25-50%
	Xn, Xi; R 20-36/37/38-42/43	

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

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4 First aid measures

- **General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **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:** Wear self-contained breathing apparatus.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

- **Measures for environmental protection:**

Do not allow to enter sewage system, surface or ground water.

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:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **Storage**

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

- **Information on storage in a common storage facility:** none

- **Further information about storage conditions:** Keep container tightly closed.

8 Exposure controls and personal protection

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

1330-20-7 xylene, mixed isomers, pure

WEL Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

WEL Short-term value: 0.07 mg/m³

Long-term value: 0.02 mg/m³

Sen; as -NCO

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- **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.
Avoid contact with eyes and skin.
- **Respiratory equipment:**
In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.
- **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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.
- **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:	137°C

· **Flash point:** 30°C (Setaflash)

· **Ignition temperature:** 325°C

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

· **Danger of explosion:** Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.

· Explosive Limits:

Lower:	0.4 Vol %
Upper:	9.8 Vol %

· **Vapour pressure at 20°C:** 6.7 hPa

· **Density at 20°C** 0.993 g/cm³

· Solubility in / Miscibility with

Water: Fully miscible

· Solvent content:

Organic solvents:	33.4 %
Water:	0 %

· **Solid content:** 50.0 %

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10 Stability and reactivity

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

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene, mixed isomers, pure

Oral	LD50	8700 mg/kg (Ratte)
Dermal	LD50	2000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	6350 mg/l (Ratte)

- **Primary irritant effect:**

- **on the skin:** Irritates skin and mucous membranes.
- **on the eye:** 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 2 : hazardous to water.

Do not allow product to reach ground water, bodies of water or sewage system.

Hazardous to drinking water even if small quantities leak into soil.

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.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**



- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.

· **Kemler Number:** 30

· **UN-Number:** 1866

· **Packaging group:** III

· **Danger sign:** 3

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- **Designation of goods:** 1866 RESIN SOLUTION
- **Limited quantities (LQ)** LQ7
- **Tunnel restriction code** E

- **Maritime transport IMDG/GGVSea:**



- **IMDG/GGVSea Class:** 3
- **UN Number:** 1866
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Correct technical name:** RESIN SOLUTION

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



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1866
- **Label** 3
- **Packaging group:** III
- **Correct technical name:** RESIN SOLUTION

- **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)

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



Xn Harmful

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

diphenylmethanediisocyanate, isomeres and homologues
xylene, mixed isomers, pure

- **Risk phrases:**

10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
36/37/38 Irritating to eyes, respiratory system and skin.
42/43 May cause sensitisation by inhalation and skin contact.

- **Safety phrases:**

2 Keep out of the reach of children.
23 Do not breathe fumes/aerosol.
36/37 Wear suitable protective clothing and gloves.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
51 Use only in well-ventilated areas.
56 Dispose of this material and its container to hazardous or special waste collection point.

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63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

· **Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer

· **National regulations**

· **Technical instructions (air):**

Class	Proportion in %
I	40-<60
NK	40-<60

· **Water hazard class:** Water hazard class 2: 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.

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

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

38 Irritating to skin.

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

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