

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.07.2007

Revision: 16.07.2007

1 Identification of substance

- **Product details**
- Trade name **PU Black**
- **Article number:** 9001
- **Application of the substance / the preparation** Coating
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
Postfach 1255
D-49624 Lönningen
Tel.: 05432/83-0
Fax: 05432/3985
- **Informing department:**
Product Safety department: Tel.: +49 (0)5432/83-138/-538
E-Mail: sales@remmers.co.uk
- **Emergency information:**
during working hours:
U.K.: Tel.: +44 (0) 845 373 0103
Far East: Tel.: +65(0) 67410277
Head Office Germany: Tel.: +49 (0)5432 83 185
after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:**



T Toxic
N Dangerous for the environment

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

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- R 45 May cause cancer.
- R 46 May cause heritable genetic damage.
- R 60 May impair fertility.
- R 61 May cause harm to the unborn child.
- R 20 Harmful by inhalation.
- R 36/38 Irritating to eyes and skin.
- R 42 May cause sensitisation by inhalation.
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 65 Harmful: may cause lung damage if swallowed.

Contains isocyanates. See information supplied by the manufacturer
Restricted to professional users.

- **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.

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3 Composition/information on ingredients

· Chemical characterization

· Dangerous components:

CAS: 8052-41-3 EINECS: 232-489-3	Stoddard solvent T; R 45-10-65	30-60%
	Gemisch aus paraffinischen, naphthenischen und aromatischen Kohlenwasserstoffen überwiegend im C10-C12-Bereich, additiviert	10-30%
CAS: 584-84-9 EINECS: 209-544-5	4-methyl-m-phenylene diisocyanate T+, Xi; R 26-36/37/38-40-42/43-52/53	<1%

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

4 First aid measures

· After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· After skin contact

Wash immediately with water and soap and rinse thoroughly.
Seek immediate medical advice.

· After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

· After swallowing

Do not induce vomiting; call for medical help immediately.

Rinse out mouth and then drink plenty of water.

5 Fire fighting measures

· Suitable extinguishing agents

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

· For safety reasons unsuitable extinguishing agents

Water with a full water jet.

· Special hazards caused by the material, its products of combustion or flue gases:

May form explosive gas-air mixtures.

· 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 product to reach sewage system or water bodies.

· Measures for cleaning/collecting:

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

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

· Handling

· Information for safe handling:

Avoid inhalation of vapours and spray mist. Extinguish all open flames, remove sources of ignition, avoid sparks. Do not smoke: Do not empty into drains.

Ensure good ventilation/exhaust in workplaces.

Open and handle container with care.

Avoid the formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

· Storage

· Requirements to be met by storerooms and containers:

No special requirements.

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- **Information on storage in a common storage facility:** none
- **Further information about storage conditions:** Keep container tightly closed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.
- **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.
Store protective clothing separately.
Do not inhale gases / vapours / aerosols.
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:** Impervious gloves
- **Material of gloves**
Neoprene gloves
PVC gloves
Rubber gloves
- **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:** Tightly sealed safety glasses.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Black
Odour:	similar to tar

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

Flash point:	65°C
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Ignition temperature:	400°C
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Self-inflammability:	Product is not self-igniting.
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Danger of explosion:	Product is not explosive.
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Density at 20°C	1.2 g/cm ³
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Solubility in / Miscibility with Water:	Not miscible or difficult to mix
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
 - **Materials to be avoided:**
 - Water
 - Amines
 - lyes
 - Exothermic reactions with acids
 - **Dangerous reactions** No dangerous reactions known
 - **Dangerous decomposition products:**
 - Carbon monoxide and carbon dioxide
 - Nitrogen oxides (NO_x)
- During thermic decomposition, the formation of harmful gasses is possible.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritates skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitisation:** Sensitisation possible by inhalation.
- **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
 - Carcinogenic

The product may cause inheritable damage.
- **Sensitisation** May cause sensitisation by inhalation.

12 Ecological information:

- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **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.
Also toxic for fish and plankton in bodies of water.
Toxic for aquatic organisms

13 Notes on disposal:

- **Product:**
- **Recommendation**

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

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14 Transport information

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



- **ADR/RID-GGVS/E Class:** 9 (M6) Miscellaneous hazardous substances and articles.
- **Kemler Number:** 90
- **UN-Number:** 3082
- **Packaging group:** III
- **Danger sign:** 9
- **Designation of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TURPENTINE SUBSTITUTE)
- **Limited quantities (LQ)** LQ7
- **Tunnel restriction code** E

· Maritime transport IMDG/GGVSea:



- **IMDG/GGVSea Class:** 9
- **UN Number:** 3082
- **Label** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine pollutant:** No
- **Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains aromatic hydrocarbons)

· Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label** 9
- **Packaging group:** III
- **Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains aromatic hydrocarbons)

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:



T Toxic
N Dangerous for the environment

· Hazard-determining components of labelling:

Stoddard solvent

· Risk phrases:

45 May cause cancer.

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- 46 May cause heritable genetic damage.
- 60 May impair fertility.
- 61 May cause harm to the unborn child.
- 20 Harmful by inhalation.
- 36/38 Irritating to eyes and skin.
- 42 May cause sensitisation by inhalation.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.

- **Safety phrases:**

- 53 Avoid exposure - obtain special instructions before use.
- 23 Do not breathe fumes/aerosol.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29 Do not empty into drains.
- 37/39 Wear suitable gloves and eye/face protection.
- 38 In case of insufficient ventilation, wear suitable respiratory equipment.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 57 Use appropriate container to avoid environmental contamination.
- 60 This material and its container must be disposed of as hazardous waste.

- **Special labelling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer
Restricted to professional users.

- **National regulations**

- **Technical instructions (air):**

Class	Proportion in %
NK	40-<60

- **Water hazard class:** Water hazard class 2: hazardous to water.

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.
- 26 Very toxic by inhalation.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 40 Limited evidence of a carcinogenic effect.
- 42/43 May cause sensitisation by inhalation and skin contact.
- 45 May cause cancer.
- 52/53 Harmful 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