

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2007

Revision: 31.07.2007

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

- **Product details**
- **Trade name:** PUR Indu Color D60, component B
- **Article number:** 9831
- **Application of the substance / the preparation** Construction chemicals
- **Manufacturer/Supplier:**  
Remmers Baustoftechnik AG  
Bernard Remmers Strasse 13  
D-49624 Lönigen  
Germany
- tel: +49 543283-0  
fax: +49 543283-707
- **Further information obtainable from:** Environment Protection Department
- **Information in case of emergency:** UK office +44 (0) 845 373 0103

## 2 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information concerning particular hazards for human and environment:**  
R 20 Harmful by inhalation.  
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

## 3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**  
9016-87-9 4,4'-methylenediphenyl di-isocyanate isomeren + mengsels daarvan
- **Identification number(s)**
- **EINECS Number:** 202-966-0
- **EU Number:** 615-005-00-9

## 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 to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

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### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Mount respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
No special measures required.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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

#### 9016-87-9 diphenylmethane-4,4'-di-isocyanate

MEL	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **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.

- **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 goggles

## 9 Physical and chemical properties

- **General Information**

<b>Form:</b>	Liquid
<b>Colour:</b>	Light brown
<b>Odour:</b>	Characteristic

- **Change in condition**

<b>Melting point/Melting range:</b>	< 0°C
<b>Boiling point/Boiling range:</b>	> 350°C

- **Flash point:** 220°C

- **Ignition temperature:** 520°C

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

**Lower:** 0.4 Vol %

- **Vapour pressure at 20°C:** 0.000004 hPa

- **Density at 20°C:** 1.32 g/cm<sup>3</sup>

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

Not miscible or difficult to mix.

- **Viscosity:**

**Kinematic at 20°C:** 120 s (ISO 4 mm)

**Organic solvents:** 0.0 %

**Water:** 0.0 %

- **Solids content:** 100.0 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

- **Dangerous reactions** No dangerous reactions known.

- **Dangerous decomposition products:** No dangerous decomposition products known.

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## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:**  
Sensitization possible through inhalation.  
Sensitization possible through skin contact.
- **Sensitisation** May cause sensitisation by inhalation and skin contact.

## 12 Ecological information

- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed 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 (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No

## 15 Regulatory information

- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**  
Xn Harmful
- **Risk phrases:**  
20 Harmful by inhalation.  
36/37/38 Irritating to eyes, respiratory system and skin.  
42/43 May cause sensitisation by inhalation and skin contact.
- **Safety phrases:**  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
28 After contact with skin, wash immediately with plenty of soap and water.  
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).

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- **Special labelling of certain preparations:**  
Contains isocyanates. See information supplied by the manufacturer
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
I	100.0

- **Waterhazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing MSDS:** Product Safety Department
- **Contact:** Mr. F.-J. Rüwe

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