# Hartschaum PUR Komponente B

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## 1. Substance/preparation and company identification

Trade name: Hartschaum PUR Komponente B

Application of the substance/ the preparation:

Industrial uses. A component of a polyurethane system

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## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008**

| | | |
|---|---|---|
| Acute Tox. 4 | H332 | Harmful if inhaled. |
| Skin Irrit. 2 | H315 | Causes skin irritation. |
| Eye Irrit. 2 | H319 | Causes serious eye irritation. |
| Resp. Sens. 1 | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin Sens. 1 | H317 | May cause an allergic skin reaction. |
| Carc. 2 | H351 | Suspected of causing cancer. |
| STOT SE 3 | H335 | May cause respiratory irritation. |
| STOT RE 2 | H373 | May cause damage to organs through prolonged Or repeated exposure. |

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

**Signal Word** Danger

**Hazard-determining components of labelling:**

diphenylmethanediisocyanate,isomeres and homologues

**Hazard statements**

H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH204 Contains isocyanates. May produce an allergic reaction.
As from 24 August 2023 adequate training is required before industrial or professional use.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.
**vPvB:** Not applicable.

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## 3. Composition/information on ingredients

**3.1 Substances**

**CAS No. Description**

9016-87-9 diphenylmethanediisocyanate,isomeres and homologues

**Identification number(s)**

**number:** Polymer

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## 4. First aid measures

**4.1 Description of first aid measures**

**General information:**

Immediately remove any clothing soiled by the product.
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.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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## 5. Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet
**5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
**5.3 Advice for firefighters**
**Protective equipment:**
Mouth respiratory protective device.
Do not inhale explosion gases or combustion gases.

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## 6. Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
**6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
**6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
**6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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## 7. Handling and storage

**7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
**Information about fire - and explosion protection:** Keep respiratory protective device available.
**7.2 Conditions for safe storage, including any incompatibilities**
**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.
**Storage class:** 10
**7.3 Specific end use(s)** No further relevant information available.

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## 8. Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.
**8.1 Control parameters**
**Ingredients with limit values that require monitoring at the workplace:**
**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
**Additional information:** The lists valid during the making were used as basis.
**8.2 Exposure controls**
**Appropriate engineering controls** No further data; see item 7.
**Individual protection measures, such as 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.
Store protective clothing separately.
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.
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. 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:**
Tightly sealed goggles

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**General Information**

| | |
|---|---|
| **Appearance:** | |
| **Form:** | Fluid |
| **Colour:** | Dark brown |
| **Odour:** | Characteristic |
| **Odour threshold:** | Not determined. |
| **Melting point/freezing point:** | <5 °C |
| **Boiling point or initial boiling point and boiling range** | 190 °C |
| **Flammability** | Not applicable. |
| **Lower and upper explosion limit** | |
| **Lower:** | Not determined. |
| **Upper:** | Not determined. |
| **Flash point:** | >150 °C |
| **Ignition temperature:** | 400 °C |
| **Decomposition temperature:** | Not determined. |
| **pH** | Not determined. |
| **Viscosity:** | |
| **Kinematic viscosity** | Not determined. |
| **Dynamic at 20 °C:** | ~200 mPas (see product data sheet) |

| | |
|---|---|
| **Solubility in water:** | Reacts with water. |
| **Partition coefficient n-octanol/ water (log value)** | Not determined. |
| **Vapour pressure at 25 °C:** | 0.0002 hPa (9016-87-9 diphenylmethanediisocyanate, isomeres and homologues) |
| **Density and/or relative density** | |
| **Density at 20 °C:** | ~1.23 g/cm³ (see product data sheet) |
| **Relative density** | not determined |
| **Vapour density** | Not determined. |
| **9.2 Other information** | |
| **Appearance:** | |
| **Form:** | Fluid |
| **Important information on protection of health and environment, and on safety.** | |
| **Auto-ignition temperature:** | Not determined. |
| **Explosive properties:** | Product does not present an explosion hazard. |
| **Molecular weight** | 360 g/mol |
| **Change in condition** | |
| **Evaporation rate** | Not determined. |
| **Information with regard to physical hazard classes** | |
| **Explosives** | Void |
| **Flammable gases** | Void |
| **Aerosols** | Void |
| **Oxidising gases** | Void |
| **Gases under pressure** | Void |
| **Flammable liquids** | Void |
| **Flammable solids** | Void |
| **Self-reactive substances and mixtures** | Void |
| **Pyrophoric liquids** | Void |
| **Pyrophoric solids** | Void |
| **Self-heating substances and mixtures** | Void |
| **Substances and mixtures, which emit flammable gases in contact with water** | Void |
| **Oxidising liquids** | Void |
| **Oxidising solids** | Void |
| **Organic peroxides** | Void |
| **Corrosive to metals** | Void |
| **Desensitised explosives** | Void |

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**10. Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

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

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** Ferrous metals, alloys and galvanized surfaces.

**10.6 Hazardous decomposition products:** In the event of fire the following can be released: COx, NOx, SiOx.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**

Harmful if inhaled.

**LD / LC 50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

| | | |
|---|---|---|
| Inhalative | LC50/4 h | ≥11–≤12.2 mg/l |

**9016-87-9 diphenylmethanediisocyanate,isomeres and homologues**

| | | |
|---|---|---|
| Oral | LD50 | >10,000 mg/kg (rat) |
| Dermal | LD50 | >9,400 mg/kg (rat) |

| | |
|---|---|
| **Skin corrosion/irritation** | Causes skin irritation. |
| **Serious eye damage/irritation** | Causes serious eye irritation. |
| **Respiratory or skin sensitization** | May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. |
| **Carcinogenicity** | Suspected of causing cancer. |
| **STOT-single exposure** | May cause respiratory irritation. |
| **STOT-repeated exposure** | May cause damage to organs through prolonged or repeated exposure. |

### 11.2 Information on other hazards

| | |
|---|---|
| **Endocrine disrupting properties** | Substance is not listed. |

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## 12. Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

**Additional ecological information:**

**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or Sewage system. Product does not contain any organic halogens. Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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## 13. Disposal considerations

### 13.1 Waste treatment methods

**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..

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**14. Transport information**

**14.1 UN-Number**

**ADR, IMDG, IATA** not regulated

**14.2 UN proper shipping name**

**ADR, IMDG, IATA** not regulated

**14.3 Transport hazard class(es)**

**ADR, IMDG, IATA**

**Class** not regulated

**14.4 Packing group**

**ADR, IMDG, IATA** not regulated

**14.5 Environmental hazards:** Not applicable.

**14.6 Special precautions for user** Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

**UN "Model Regulation":** not regulated

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**15. Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** Substance is not listed.

**National regulations:**

**Other regulations, limitations and prohibitive regulations** Product does not contain any organic halogens.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**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.

**Relevant phrases**

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

**Further information** Take notice of the directions of use on the label.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.