

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 34 (replaces version 33)

Revision: 17.01.2023

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** **PROTEGOL UR-COATING 32-60 Comp.B**
- **Article number:** 206205-1
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Polyurethane lacquer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
TIB Chemicals AG  
Muelheimer Str. 16-22  
D-68219 Mannheim/Germany  
UK Import via:  
  
TIB CHEMICALS UK LTD  
Riverside Business Centre  
Brighton Road  
Shoreham-By-Sea  
West Sussex  
BN43 6RE
- **Informing department:**  
PRODUKTSERVICE  
e-mail: [Produktservice@tib-chemicals.com](mailto:Produktservice@tib-chemicals.com)  
Mo-Fr 9-15 h: Tel.: +49(0)621 8901 710
- **1.4 Emergency telephone number:** 24 h Tel.: +49 (0) 621 / 8901 - 700

### SECTION 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. Route of exposure: Inhalation.  
STOT SE 3 H335 May cause respiratory irritation.  
STOT RE 2 H373 May cause damage to the respiratory system and the respiratory tract through prolonged or repeated exposure. Route of exposure: Inhalation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07 GHS08

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**Trade name: PROTEGOL UR-COATING 32-60 Comp.B**

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· **Signal word** Danger

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

4,4'-diphenylmethanediisocyanate, isomere, homologue and mixtures  
 diphenylmethane-4,4'-di-isocyanate  
 Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-hydro-omega-hydroxypoly(oxy(methyl-1,2-ethanediyl))  
 diphenylmethane-2,4'-diisocyanate

· **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. Route of exposure: Inhalation.  
 H335 May cause respiratory irritation.  
 H373 May cause damage to the respiratory system and the respiratory tract through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P284 [In case of inadequate ventilation] wear respiratory protection.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

Contains isocyanates. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of the substances listed below and harmless substances.

· **Dangerous components:**

CAS: 9016-87-9 EC number: 618-498-9 Index number: 615-005-00-9	4,4'-diphenylmethanediisocyanate, isomere, homologue and mixtures ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % STOT SE 3; C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 %	50-75%
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**Trade name: PROTEGOL UR-COATING 32-60 Comp.B**

CAS: 53862-89-8 EC number: 670-234-1	Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-hydro-omega-hydroxypoly(oxy(methyl-1,2-ethanediyl)) ⚠ Resp. Sens. 1, H334; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	(Contd. of page 2) 15-25%
CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9	diphenylmethane-4,4'-diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; C ≥ 5 %	5-10%
CAS: 5873-54-1 EINECS: 227-534-9 Index number: 615-005-00-9	diphenylmethane-2,4'-diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; C ≥ 5 %	<2.5%

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

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · General information

Remove contaminated clothing.

Remove breathing apparatus only after contaminated clothing has been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation** In case of unconsciousness bring patient into stable side position for transport.

##### · After skin contact

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

##### · After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing** In case of persistent symptoms 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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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide (CO)  
- Nitrogen oxides (NO<sub>x</sub>)  
Formation of poisonous gases during heating or in fires.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Put on breathing apparatus.
- **6.2 Environmental precautions:** Do not allow to enter the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**  
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.
- **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 information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Store in cool, dry place in tightly closed containers.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle container with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep breathing equipment ready.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Components with limit values that require monitoring at the workplace:

##### 9016-87-9 4,4'-diphenylmethanediisocyanate, isomere, homologue and mixtures

WEL (Great Britain)	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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##### 101-68-8 diphenylmethane-4,4'-di-isocyanate

WEL (Great Britain)	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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##### 5873-54-1 diphenylmethane-2,4'-diisocyanate

WEL (Great Britain)	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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#### DNELs

##### 101-68-8 diphenylmethane-4,4'-di-isocyanate

Oral	Consumer: acute systemic effects	20 mg/kg bw/d (human (calculated))
Dermal	Consumer: acute local effects	17.2 mg/cm <sup>2</sup> (human (calculated))
	Consumer: acute systemic effects	25 mg/kg bw/d (human (calculated))
	Worker: acute local effect	28.7 mg/cm <sup>2</sup> (human (calculated))
	Worker: acute systemic effects	50 mg/kg bw/d (human (calculated))
Inhalative	Consumer: long-term local effects	0.025 mg/m <sup>3</sup> (human (calculated))
	Consumer: long-term systemic effects	0.025 mg/m <sup>3</sup> (human (calculated))
	Consumer: acute local effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Consumer: acute systemic effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Worker: long-term local effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Worker: long-term systemic effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Worker: acute systemic effects	0.1 mg/m <sup>3</sup> (human (calculated))

##### 5873-54-1 diphenylmethane-2,4'-diisocyanate

Oral	Consumer: acute systemic effects	20 mg/kg bw/d (human (calculated))
Dermal	Consumer: acute local effects	17.2 mg/cm <sup>2</sup> (human (calculated))
	Consumer: acute systemic effects	25 mg/kg bw/d (human (calculated))
	Worker: acute local effect	28.7 mg/cm <sup>2</sup> (human (calculated))
	Worker: acute systemic effects	50 mg/kg bw/d (human (calculated))
Inhalative	Consumer: long-term local effects	0.025 mg/m <sup>3</sup> (human (calculated))
	Consumer: long-term systemic effects	0.025 mg/m <sup>3</sup> (human (calculated))
	Consumer: acute local effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Consumer: acute systemic effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Worker: long-term local effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Worker: long-term systemic effects	0.05 mg/m <sup>3</sup> (human (calculated))
	Worker: acute local effect	0.1 mg/m <sup>3</sup> (human (calculated))
	Worker: acute systemic effects	0.1 mg/m <sup>3</sup> (human (calculated))

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**· PNECs**
**101-68-8 diphenylmethane-4,4'-di-isocyanate**

Freshwater ecosystem: Freshwater organisms	1,000 µg/l (Freshwater organisms)
Marine ecosystem: Marine water organisms	100 µg/l (Marine water organisms)
Sewage treatment plant (STP): Microorganisms	1 mg/l (Microorganisms)
Terrestrial ecosystem: Agricultural soil organisms	1 mg/kg soil dw (Agricultural soil organisms)

**· Ingredients with biological limit values:**
**101-68-8 diphenylmethane-4,4'-di-isocyanate**

BMGV (Great Britain)	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine
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**5873-54-1 diphenylmethane-2,4'-diisocyanate**

BMGV (Great Britain)	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine
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**· Additional information:** The lists that were valid during the compilation 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 food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

**· Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

**· Hand protection**

Protective gloves.

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

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/face protection** Tightly sealed safety glasses.

**· Body protection:** Protective work clothing.

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### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· Colour:	Brown
· Odour:	earthy, musty
· Odour threshold:	Not determined.
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	Not determined
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	>100 °C
· Ignition temperature:	400 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Surface tension:	
· dynamic at 20 °C:	800 mPas
· dynamisch [20°C]:	
· Solubility	
· Water:	react with water with formation of carbon dioxide
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.2 g/cm <sup>3</sup>
· 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.

· Self-inflammability: Product is not selfigniting.

· Explosive properties: Product is not explosive.

· solids content:

· Solids content: 0.0 %

· 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

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· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
To avoid thermal decomposition do not overheat.  
Temperatures > 200 ° C
- **10.3 Possibility of hazardous reactions**  
Exothermic reaction with amines and alcohols.  
Reacts with water forming carbon dioxide. In closed containers build up pressure - risk of bursting!
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (prussic acid)  
Isocyanate
- **Additional information:**  
Two component reaction-plastic: cured with component B the product leads to a high molecular compound and is nearly inert.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
Harmful if inhaled.

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

**9016-87-9 4,4'-diphenylmethanediisocyanate, isomere, homologue and mixtures**

Oral	LD50	>15,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit) (Acute Dermal Toxicity)
Inhalative	LC50/4 h	0.31 mg/l (rat) (Acute Inhalation Toxicity)

**101-68-8 diphenylmethane-4,4'-di-isocyanate**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

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Inhalative	LC50/4 h	0.49 mg/l (rat)
<b>5873-54-1 diphenylmethane-2,4'-diisocyanate</b>		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalative	LC50/4 h	0.387 mg/l (rat)
<ul style="list-style-type: none"> <li>• <b>Skin corrosion/irritation</b> Causes skin irritation.</li> <li>• <b>Serious eye damage/irritation</b> Causes serious eye irritation.</li> <li>• <b>Respiratory or skin sensitisation</b> May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> <li>• <b>Germ cell mutagenicity</b> Based on available data, the classification criteria are not met.</li> <li>• <b>Carcinogenicity</b> Suspected of causing cancer. Route of exposure: Inhalation.</li> <li>• <b>Reproductive toxicity</b> Based on available data, the classification criteria are not met.</li> <li>• <b>STOT-single exposure</b> May cause respiratory irritation.</li> <li>• <b>STOT-repeated exposure</b> May cause damage to the respiratory system and the respiratory tract through prolonged or repeated exposure. Route of exposure: Inhalation.</li> <li>• <b>11.2 Information on other hazards</b></li> </ul>		
<ul style="list-style-type: none"> <li>• <b>Endocrine disrupting properties</b></li> </ul>		
None of the ingredients is listed.		

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

##### 9016-87-9 4,4'-diphenylmethanediisocyanate, isomere, homologe and mixtures

EC50/24 h	>1,000 mg/l (Daphnia magna (water flea)) (Daphnia sp. Acute Immobilisation Test)
LC50/96 h	>1,000 mg/l (Danio rerio (zebrafish)) (Fish, Acute Toxicity Test)
EC50/3 h	>100 mg/l (activated sludge) (Activated Sludge, Respiration Inhibition Test)

##### 101-68-8 diphenylmethane-4,4'-di-isocyanate

EC50/48 h	>1,000 mg/l (Daphnia magna (water flea))
LC50/96 h	>1,000 mg/l (Brachydanio rerio (zebrafish))

##### 5873-54-1 diphenylmethane-2,4'-diisocyanate

NOEC/21d	>10 mg/l (Daphnia magna (water flea)) (Daphnia sp. Acute Immobilisation Test)
EC50/24 h	>1,000 mg/l (Daphnia magna (water flea)) (Daphnia sp. Acute Immobilisation Test)
LC50/96 h	>1,000 mg/l (Danio rerio (zebrafish)) (Fish, Acute Toxicity Test)
EC50/3 h	>100 mg/l (activated sludge) (Activated Sludge, Respiration Inhibition Test)

#### Terrestrial toxicity:

##### 5873-54-1 diphenylmethane-2,4'-diisocyanate

NOEC	>1,000 mg/kg soil dw (Avena sativa (Hafer)) (Terrestrial Plant Test: Seedling Emergence) Time of exposure 14 days
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	>1,000 mg/kg soil dw (Eisenia fetida (Regenwürmer)) (OECD 207) Time of exposure 14 days >1,000 mg/kg soil dw (Lactuca sativa (Kopfsalat)) (Terrestrial Plant Test: Seedling Emergence) Time of exposure 14 days
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- **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**  
For information on endocrine disrupting properties see section 11.
- **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 bodies or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must be specially treated under adherence to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |   |  |
|---|--|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                       | Void   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void   |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No   |
| · <b>14.6 Special precautions for user</b>  | Not applicable.                                      |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                       | Not applicable.                                      |
| · <b>Transport/Additional information:</b>  | Not dangerous according to the above specifications. |

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· **UN "Model Regulation":**

Void

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **EU regulations/legislation**
- **Regulation (EC) No 1907/2006 (REACH), Annex XIV** not applicable
- **Regulation (EC) No 1907/2006 (REACH), Annex XVII**  
Restrictions must be observed for:  
dangerous liquid substances or mixtures (no. 3)  
Methylenediphenyl diisocyanate (MDI) (no. 56)
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Decree to be applied in case of technical fault:**

Class	Share in %
I	81.2

- **Water hazard class:**  
Water hazard class 1 (German Regulation) (Self-classification) : slightly hazardous for water
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

The information contained herein 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.  
EUH204 Contains isocyanates. May produce an allergic reaction.
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)

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**Safety data sheet**  
according to 1907/2006/EC, Article 31

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**Trade name: PROTEGOL UR-COATING 32-60 Comp.B**

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PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

\* **Data compared to the previous version altered.**

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