



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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TEROSON PU 6700 known as Teromix-6700

SDS No. : SET00023003D  
V018.0

Revision: 19.08.2025

printing date: 08.09.2026

Replaces version from: 23.09.2024

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### Kit/Multi-component Product

1. SDS No.76476 - SF-TEROSON PU 6700 COMP. A EX
2. SDS No.76477 - TEROSON PU 6700 COMP. B



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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SF-TEROSON PU 6700 COMP. A EX

SDS No. : 76476  
V018.0

Revision: 19.08.2025

printing date: 08.09.2026

Replaces version from: 18.08.2025

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

#### 1.1. Product identifier

SF-TEROSON PU 6700 COMP. A EX

UFI: N4EG-F0FF-T00J-HH6D

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:

Part A for 2-K-Polyurethane adhesive and sealant

#### 1.3. Details of the supplier of the safety data sheet

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website [www.mysds.henkel.com](http://www.mysds.henkel.com) or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

Serious eye irritation

H319 Causes serious eye irritation.

Category 2

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



##### Signal word:

Warning

##### Hazard statement:

H319 Causes serious eye irritation.

**Precautionary statement:** P280 Wear eye protection.  
**Prevention**

### 2.3. Other hazards

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components<br>CAS No.<br>EC No.<br>REACH-Reg. No.                                                     | Concentration | Classification     | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|-----------------------------------------------------------------------------------------------------------------|---------------|--------------------|-------------------------------------------|------------------|
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO<br>25214-63-5<br>500-035-6<br>01-2119471485-32 | 10- < 20 %    | Eye Irrit. 2, H319 |                                           |                  |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.

For full text of the H - statements and other abbreviations see section 16 "Other information".

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

EYE: Irritation, conjunctivitis.

### 4.3. Indication of any immediate medical attention and special treatment needed

See section: Description of first aid measures

## SECTION 5: Firefighting measures

**5.1. Extinguishing media****Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

**5.2. Special hazards arising from the substance or mixture**

In case of fire toxic gases can be released.

**5.3. Advice for firefighters**

Wear protective equipment.

Wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Avoid contact with skin and eyes.

Keep unprotected persons away.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

**6.3. Methods and material for containment and cleaning up**

Dispose of contaminated material as waste according to Section 13.

Remove mechanically.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

**7.2. Conditions for safe storage, including any incompatibilities**

Ensure good ventilation/extraction.

Store in a cool, dry place.

Temperatures between + 10 °C and + 25 °C.

Protect from direct sun-light and temperature above 50°C in any case.

Storage at 10 to 35°C is recommended.

**7.3. Specific end use(s)**

Part A for 2-K-Polyurethane adhesive and sealant

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

| Ingredient [Regulated substance]                                                      | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|---------------------------------------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE, INHALABLE DUST]                  |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE, RESPIRABLE DUST]                 |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE]           |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE] |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[Dust, inhalable dust]                               |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Calcium carbonate<br>471-34-1<br>[Dust, respirable dust]                              |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE, INHALABLE DUST]                         |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE, RESPIRABLE DUST]                        |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE]                  |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE]        |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Zeolites<br>1318-02-1<br>[ALUMINIUM OXIDES, INHALABLE DUST]                           |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Zeolites<br>1318-02-1<br>[ALUMINIUM OXIDES, RESPIRABLE DUST]                          |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |

#### Occupational Exposure Limits

Valid for  
Ireland

| Ingredient [Regulated substance]                      | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|-------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Calcium carbonate<br>471-34-1<br>[DUSTS NON-SPECIFIC] |     | 4                 | Time Weighted Average (TWA): |                                              | IR_OEL          |
| Calcium carbonate<br>471-34-1<br>[DUSTS NON-SPECIFIC] |     | 10                | Time Weighted Average (TWA): |                                              | IR_OEL          |
| Calcium carbonate<br>471-34-1<br>[Calcium carbonate]  |     | 10                | Time Weighted Average (TWA): |                                              | IR_OEL          |

|                                                      |  |    |                              |  |        |
|------------------------------------------------------|--|----|------------------------------|--|--------|
| Calcium carbonate<br>471-34-1<br>[Calcium carbonate] |  | 4  | Time Weighted Average (TWA): |  | IR_OEL |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE]        |  | 4  | Time Weighted Average (TWA): |  | IR_OEL |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE]        |  | 10 | Time Weighted Average (TWA): |  | IR_OEL |

**Predicted No-Effect Concentration (PNEC):**

| Name on list                                                                | Environmental Compartment    | Exposure period | Value       |     |              |        | Remarks |
|-----------------------------------------------------------------------------|------------------------------|-----------------|-------------|-----|--------------|--------|---------|
|                                                                             |                              |                 | mg/l        | ppm | mg/kg        | others |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | aqua (freshwater)            |                 | 0,085 mg/l  |     |              |        |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | aqua (marine water)          |                 | 0,0085 mg/l |     |              |        |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | aqua (intermittent releases) |                 | 1,51 mg/l   |     |              |        |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | sewage treatment plant (STP) |                 | 70 mg/l     |     |              |        |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | sediment (freshwater)        |                 |             |     | 0,193 mg/kg  |        |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | sediment (marine water)      |                 |             |     | 0,0193 mg/kg |        |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | Soil                         |                 |             |     | 0,0183 mg/kg |        |         |

**Derived No-Effect Level (DNEL):**

| Name on list                                                                | Application Area   | Route of Exposure | Health Effect                         | Exposure Time | Value      | Remarks |
|-----------------------------------------------------------------------------|--------------------|-------------------|---------------------------------------|---------------|------------|---------|
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | Workers            | dermal            | Long term exposure - systemic effects |               | 5 mg/kg    |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | Workers            | Inhalation        | Long term exposure - systemic effects |               | 35 mg/m3   |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | General population | dermal            | Long term exposure - systemic effects |               | 3 mg/kg    |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | General population | Inhalation        | Long term exposure - systemic effects |               | 10,4 mg/m3 |         |
| 1,2-Ethanediamine, polymer with methyloxirane > 1 - < 5,5 mol PO 25214-63-5 | General population | oral              | Long term exposure - systemic effects |               | 3 mg/kg    |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

The product should only be used at workplaces with intensive ventilation/extraction.

If intensive ventilation/extraction is not possible respiratory protection equipment with ABEK P2 filter (EN 14387) should be worn.

**Hand protection:**

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR;  $\geq 1$  mm thickness) or natural rubber (NR;  $\geq 1$  mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR;  $\geq 1$  mm thickness) or natural rubber (NR;  $\geq 1$  mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

**Skin protection:**

Wear protective equipment.

Protective clothing that covers arms and legs.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

Use only personal protection that's CE-labelled according to Directive 89/686/EEC (Europe) or to Regulation No. 819 of 19 August 1994 (Norway), or equivalent.

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

|                                                             |                                                                                                                                     |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Delivery form                                               | paste                                                                                                                               |
| Colour                                                      | Beige                                                                                                                               |
| Odor                                                        | Odourless / Odorless                                                                                                                |
| Physical state                                              | solid                                                                                                                               |
| Melting point                                               | Not applicable, Determination technically not possible                                                                              |
| Solidification temperature                                  | Not applicable, Product is a solid                                                                                                  |
| Initial boiling point                                       | Not applicable, Decomposes > 140°C (284°F).                                                                                         |
| Flammability                                                | The product is not flammable.                                                                                                       |
| Explosive limits                                            | Not applicable, Product is a solid                                                                                                  |
| Flash point                                                 | > 110 °C (> 230 °F); no method / method unknown                                                                                     |
| Auto-ignition temperature                                   | Not applicable, Product is a solid                                                                                                  |
| Decomposition temperature                                   | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH                                                          | Not applicable, Product reacts with water.                                                                                          |
| Viscosity (kinematic)                                       | Not applicable, Product is a solid                                                                                                  |
| Viscosity, dynamic<br>(Brookfield; 20 °C (68 °F))           | 28 - 32 Pa*s no method / method unknown                                                                                             |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water) | Insoluble                                                                                                                           |
| Partition coefficient: n-octanol/water                      | Not applicable                                                                                                                      |
| Vapour pressure<br>(20 °C (68 °F))                          | Mixture<br>< 0,1 hPa                                                                                                                |
| Density<br>(20 °C (68 °F))                                  | 1,43 g/cm <sup>3</sup> QP2107.1; Density                                                                                            |
| Relative vapour density:                                    | Not applicable, Product is a solid                                                                                                  |
| Particle characteristics                                    | Not applicable, mixture is a paste.                                                                                                 |

**9.2. Other information**

Other information not applicable for this product

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

None if used for intended purpose.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

None if used for intended purpose.

**10.5. Incompatible materials**

None if used properly.

**10.6. Hazardous decomposition products**

No decomposition if used according to specifications.

**SECTION 11: Toxicological information****General toxicological information:**

An allergic reaction cannot be excluded after repeated skin contact.

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.                                                         | Value<br>type | Value         | Species | Method                                   |
|-----------------------------------------------------------------------------------------|---------------|---------------|---------|------------------------------------------|
| 1,2-Ethanediamine,<br>polymer with<br>methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | LD50          | > 2.000 mg/kg | rat     | OECD Guideline 401 (Acute Oral Toxicity) |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.                                                         | Value<br>type | Value         | Species | Method                                     |
|-----------------------------------------------------------------------------------------|---------------|---------------|---------|--------------------------------------------|
| 1,2-Ethanediamine,<br>polymer with<br>methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | LD50          | > 2.000 mg/kg | rat     | OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

No data available.

**Skin corrosion/irritation:**

No data available.

**Serious eye damage/irritation:**

No data available.

**Respiratory or skin sensitization:**

No data available.

**Germ cell mutagenicity:**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

No data available.

**Aspiration hazard:**

No data available.

**11.2 Information on other hazards**

not applicable

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                                      | Value<br>type | Value      | Exposure time | Species        | Method       |
|--------------------------------------------------------------------------------------|---------------|------------|---------------|----------------|--------------|
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | LC50          | 4.600 mg/l | 96 h          | Leuciscus idus | DIN 38412-15 |

#### Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                                      | Value<br>type | Value      | Exposure time | Species       | Method                                        |
|--------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|-----------------------------------------------|
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | EC50          | > 100 mg/l | 48 h          | Daphnia magna | EU Method C.2 (Acute<br>Toxicity for Daphnia) |

#### Chronic toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                                      | Value<br>type | Value      | Exposure time | Species       | Method                                         |
|--------------------------------------------------------------------------------------|---------------|------------|---------------|---------------|------------------------------------------------|
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | NOEC          | >= 10 mg/l | 21 d          | Daphnia magna | OECD 211 (Daphnia<br>magna, Reproduction Test) |

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                                      | Value<br>type | Value       | Exposure time | Species                 | Method                                   |
|--------------------------------------------------------------------------------------|---------------|-------------|---------------|-------------------------|------------------------------------------|
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | EC50          | 150,67 mg/l | 72 h          | Desmodesmus subspicatus | EU Method C.3 (Algal<br>Inhibition test) |
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | NOEC          | 4,25 mg/l   | 72 h          | Desmodesmus subspicatus | EU Method C.3 (Algal<br>Inhibition test) |

#### Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                                      | Value<br>type | Value    | Exposure time | Species          | Method                                                                            |
|--------------------------------------------------------------------------------------|---------------|----------|---------------|------------------|-----------------------------------------------------------------------------------|
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | NOEC          | 700 mg/l | 3 h           | activated sludge | ISO 8192 (Test for<br>Inhibition of Oxygen<br>Consumption by Activated<br>Sludge) |

#### 12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                                      | Result                          | Test type | Degradability | Exposure<br>time | Method                                                                                                |
|--------------------------------------------------------------------------------------|---------------------------------|-----------|---------------|------------------|-------------------------------------------------------------------------------------------------------|
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | not readily biodegradable.      | aerobic   | 9 %           | 28 d             | EU Method C.4-D (Determination<br>of the "Ready"<br>Biodegradability/Manometric<br>Respirometry Test) |
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | not inherently<br>biodegradable | aerobic   | 36 %          | 28 d             | OECD Guideline 302 B (Inherent<br>biodegradability: Zahn-<br>Wellens/EMPA Test)                       |

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                                      | LogPow    | Temperature | Method                                |
|--------------------------------------------------------------------------------------|-----------|-------------|---------------------------------------|
| 1,2-Ethanediamine, polymer<br>with methyloxirane > 1 - <<br>5,5 mol PO<br>25214-63-5 | 0,3 - 1,6 |             | EU Method A.8 (Partition Coefficient) |

#### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

#### 12.6. Endocrine disrupting properties

not applicable

#### 12.7. Other adverse effects

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

080409

**SECTION 14: Transport information****14.1. UN number or ID number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.2. UN proper shipping name**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.3. Transport hazard class(es)**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.4. Packing group**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.5. Environmental hazards**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.6. Special precautions for user**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ozone Depleting Substance (ODS) (Regulation (EC) No 2024/590):

Not applicable

Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):

Not applicable

Persistent organic pollutants (Regulation (EU) 2019/1021):

Not applicable

VOC content  
(2010/75/EU)

0,0 %

**15.2. Chemical safety assessment**

A chemical safety assessment has been carried out.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:  
H319 Causes serious eye irritation.

## Abbreviations and acronyms:

ADG(-Code): Australian Dangerous Goods (Code)  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
ASTM: American Society for Testing and Materials  
ATE: acute toxicity estimate  
AS: Australian Standard  
AwSV: Ordinance on Installations for the Handling of Substances Hazardous to Water  
CAS: Chemical Abstract Service  
CLP: Regulation (EC) No 1272/2008  
CMR: cancerogenic, mutagenic or reprotoxic  
DIN: German Institute for Standardization  
ECx: Effective concentration (x% effective level)  
ECHA: European Chemicals Agency  
EC-Nummer: Substance number in the EU-inventories EINECS/ELINCS  
ECTLV: European community threshold limit value  
ED: Substance identified as having endocrine disrupting properties  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
EN : European Standard  
ENCS: Japanese chemical inventory  
EPA: US Environmental Protection Agency  
EU: European Union  
EU EXPLD1: Substance listed in Annex I, Reg (EC) No. 2019/1148  
EU EXPLD2: Substance listed in Annex II, Reg (EC) No. 2019/1148  
EWC: European Waste Catalogue  
GHS: Globally Harmonised System for Classification and Labelling of Chemicals  
GLP: Good Laboratory Practice  
HSNO: Hazardous Substances and New Organisms  
IARC: International Agency for Research of Cancer  
IATA: International Air Transport Association  
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization  
IMDG-Code: International Maritime Code for Dangerous Goods  
IMO: International Maritime Organization  
ISO: International Standardization Organisation  
LC50: Median lethal concentration  
LD50: Median lethal dose  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
n.o.s.: not otherwise specified  
NO(A)EC: No (adverse) effect concentration  
NO(A)EL: No (adverse) effect level  
NZS: New Zealand Standard  
OECD: Organisation for Economic Co-operation and Development  
OEL: Occupational Exposure Limit  
OPPT: US EPA Office of Pollution Prevention and Toxics  
OPPTS: US EPA Office of Prevention, Pesticides and Toxic Substances  
PBT: Persistent, bioaccumulative, toxic  
(Q)SAR: (Quantitative) structure–activity relationship  
REACH: Regulation (EC) No. 1907/2006  
RID: Regulations concerning the International Transport of Dangerous Goods by Rail  
SADT: Self Accelerating Decomposition Temperature  
SDS: Safety Data Sheet  
STOT: Specific Target Organ Toxicity  
STOT SE: Specific Target Organ Toxicity - single exposure  
STOT RE: Specific Target Organ Toxicity - repeated exposure  
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons  
SVHC: Substance of very high concern (REACH Candidate List)  
TRGS: German Technical Rules for hazardous substances  
UN: United Nations  
VOC: Volatile Organic Compound

814.018 VOC Reg CH: Swiss Ordinance 814.018 on the Incentive Tax on Volatile Organic Compounds  
vPvB: Very persistent, very bioaccumulative  
VwVwS: Administrative Regulation on Substances Hazardous to Waters  
WGK: Water hazard class

**Further information:**

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (SDSinfo.Adhesive@henkel.com) prior to export to other territories than the European Union.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your\_company.com).

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**



## Safety Data Sheet according to (EC) No 1907/2006 as amended

SDS No. : 76477

V018.0

TEROSON PU 6700 COMP. B

Revision: 19.08.2025

printing date: 08.09.2026

Replaces version from: 13.08.2025

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

#### 1.1. Product identifier

TEROSON PU 6700 COMP. B

UFI: E7EG-Y04V-4001-5USF

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:

2-component-polyurethane adhesive

#### 1.3. Details of the supplier of the safety data sheet

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website [www.mysds.henkel.com](http://www.mysds.henkel.com) or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

|                                                                                 |            |
|---------------------------------------------------------------------------------|------------|
| Skin irritation                                                                 | Category 2 |
| H315 Causes skin irritation.                                                    |            |
| Serious eye irritation                                                          | Category 2 |
| H319 Causes serious eye irritation.                                             |            |
| Respiratory sensitizer                                                          | Category 1 |
| H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. |            |
| Skin sensitizer                                                                 | Category 1 |
| H317 May cause an allergic skin reaction.                                       |            |
| Carcinogenicity                                                                 | Category 2 |
| H351 Suspected of causing cancer.                                               |            |
| Specific target organ toxicity - single exposure                                | Category 3 |
| H335 May cause respiratory irritation.                                          |            |
| Target organ: respiratory tract irritation                                      |            |
| Specific target organ toxicity - repeated exposure                              | Category 2 |
| H373 May cause damage to organs through prolonged or repeated exposure.         |            |

#### 2.2. Label elements

##### Label elements (CLP):

**Hazard pictogram:****Contains**

Diphenylmethane diisocyanate, isomers and homologues

4,4'- methylenediphenyl diisocyanate

o-(p-Isocyanatobenzyl)phenyl isocyanate

2,2'-Methylenediphenyl diisocyanate

**Signal word:**

Danger

**Hazard statement:**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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.

**Supplemental information**

As from 24 August 2023 adequate training is required before industrial or professional use.

Further information: <https://www.feica.eu/PUinfo>

**Precautionary statement:  
Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement:  
Response**

P308+P313 IF exposed or concerned: Get medical advice/attention.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

**2.3. Other hazards**

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| <b>Hazardous components<br/>CAS No.<br/>EC No.<br/>REACH-Reg. No.</b>                 | <b>Concentration</b> | <b>Classification</b>                                                                                                                                                           | <b>Specific Conc. Limits, M-factors and ATEs</b>                                                                                                                             | <b>Add. Information</b> |
|---------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9                     | 10- < 15 %           | Carc. 2, H351<br>Acute Tox. 4, Inhalation, H332<br>STOT RE 2, H373<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Skin Irrit. 2, H315<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317 | Eye Irrit. 2; H319; C ≥ 5 %<br>Skin Irrit. 2; H315; C ≥ 5 %<br>Resp. Sens. 1; H334; C ≥ 0,1 %<br>STOT SE 3; H335; C ≥ 5 %<br>=====<br>inhalation:ATE = 1,5<br>mg/l;dust/mist |                         |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8<br>202-966-0<br>01-2119457014-47     | 10- < 15 %           | Carc. 2, H351<br>Acute Tox. 4, Inhalation, H332<br>STOT RE 2, H373<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Skin Irrit. 2, H315<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317 | Eye Irrit. 2; H319; C ≥ 5 %<br>Skin Irrit. 2; H315; C ≥ 5 %<br>Resp. Sens. 1; H334; C ≥ 0,1 %<br>STOT SE 3; H335; C ≥ 5 %<br>=====<br>inhalation:ATE = 1,5<br>mg/l;dust/mist |                         |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>227-534-9<br>01-2119480143-45 | 1- < 5 %             | STOT RE 2, H373<br>Carc. 2, H351<br>Acute Tox. 4, Inhalation, H332<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Resp. Sens. 1, H334 | Eye Irrit. 2; H319; C ≥ 5 %<br>Skin Irrit. 2; H315; C ≥ 5 %<br>Resp. Sens. 1; H334; C ≥ 0,1 %<br>STOT SE 3; H335; C ≥ 5 %<br>=====<br>inhalation:ATE = 1,5<br>mg/l;dust/mist |                         |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>219-799-4<br>01-2119927323-43     | 0,1- < 1 %           | STOT RE 2, H373<br>Carc. 2, H351<br>Acute Tox. 4, Inhalation, H332<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Skin Irrit. 2, H315<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317 | Eye Irrit. 2; H319; C ≥ 5 %<br>Skin Irrit. 2; H315; C ≥ 5 %<br>Resp. Sens. 1; H334; C ≥ 0,1 %<br>STOT SE 3; H335; C ≥ 5 %<br>=====<br>inhalation:ATE = 1,5<br>mg/l;dust/mist |                         |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.

For full text of the H - statements and other abbreviations see section 16 "Other information".

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

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

#### Inhalation:

Fresh air, oxygen supply, warmth; seek specialist medical attention.

Delayed effects possible after inhalation.

#### Skin contact:

IF ON SKIN: Wash with plenty of soap and water.

In case of adverse health effects seek medical advice.

#### Eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

SKIN: Rash, Urticaria.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

SKIN: Redness, inflammation.

EYE: Irritation, conjunctivitis.

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

See section: Description of first aid measures

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media:**

All common extinguishing agents are suitable.

##### **Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

#### **5.2. Special hazards arising from the substance or mixture**

In case of fire toxic gases can be released.

#### **5.3. Advice for firefighters**

Wear protective equipment.

Wear self-contained breathing apparatus.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Avoid contact with skin and eyes.

Keep unprotected persons away.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

#### **6.3. Methods and material for containment and cleaning up**

Remove mechanically.

Dispose of contaminated material as waste according to Section 13.

#### **6.4. Reference to other sections**

See advice in section 8

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Take off contaminated clothing and wash before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

Ensure good ventilation/extraction.

Store in a cool, dry place.

Storage at 10 to 35°C is recommended.

Protect from direct sunlight.

**7.3. Specific end use(s)**

2-component-polyurethane adhesive

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

| Ingredient [Regulated substance]                                                                | ppm | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|-------------------------------------------------------------------------------------------------|-----|-------------------|-----------------------------------|----------------------------------------------|-----------------|
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE, INHALABLE DUST]                                   |     | 10                | Time Weighted Average (TWA):      |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE, RESPIRABLE DUST]                                  |     | 4                 | Time Weighted Average (TWA):      |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE]                            |     | 4                 | Time Weighted Average (TWA):      |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE]                  |     | 10                | Time Weighted Average (TWA):      |                                              | EH40 WEL        |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[ISOCYANATES, ALL (AS -NCO)] |     | 0,02              | Time Weighted Average (TWA):      |                                              | EH40 WEL        |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[ISOCYANATES, ALL (AS -NCO)] |     | 0,07              | Short Term Exposure Limit (STEL): | 15 minutes                                   | EH40 WEL        |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]              |     |                   | Hazard Designation:               |                                              | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]              |     |                   | Hazard Designation:               |                                              | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]              |     |                   | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026                 | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]              |     |                   | Hazard Designation:               |                                              | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]              |     |                   | Time Weighted Average (TWA):      | Effective date: 9 April 2026                 | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]              |     |                   | Time Weighted Average (TWA):      | Effective date: 1 January 2029               | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]              |     |                   | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029               | EU_OEL          |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[ISOCYANATES, ALL (AS -NCO)]                 |     | 0,02              | Time Weighted Average (TWA):      |                                              | EH40 WEL        |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[ISOCYANATES, ALL (AS -NCO)]                 |     | 0,07              | Short Term Exposure Limit (STEL): | 15 minutes                                   | EH40 WEL        |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                              |     |                   | Hazard Designation:               |                                              | EU_OEL          |

|                                                                                       |  |      |                                   |                                |          |
|---------------------------------------------------------------------------------------|--|------|-----------------------------------|--------------------------------|----------|
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                    |  |      | Hazard Designation:               |                                | EU_OEL   |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                    |  |      | Time Weighted Average (TWA):      | Effective date: 1 January 2029 | EU_OEL   |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                    |  |      | Time Weighted Average (TWA):      | Effective date: 9 April 2026   | EU_OEL   |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                    |  |      | Hazard Designation:               |                                | EU_OEL   |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                    |  |      | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029 | EU_OEL   |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                    |  |      | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026   | EU_OEL   |
| Zeolites<br>1318-02-1<br>[ALUMINIUM OXIDES, INHALABLE DUST]                           |  | 10   | Time Weighted Average (TWA):      |                                | EH40 WEL |
| Zeolites<br>1318-02-1<br>[ALUMINIUM OXIDES, RESPIRABLE DUST]                          |  | 4    | Time Weighted Average (TWA):      |                                | EH40 WEL |
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE, INHALABLE DUST]                  |  | 10   | Time Weighted Average (TWA):      |                                | EH40 WEL |
| Calcium carbonate<br>471-34-1<br>[CALCIUM CARBONATE, RESPIRABLE DUST]                 |  | 4    | Time Weighted Average (TWA):      |                                | EH40 WEL |
| Calcium carbonate<br>471-34-1<br>[LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE]           |  | 4    | Time Weighted Average (TWA):      |                                | EH40 WEL |
| Calcium carbonate<br>471-34-1<br>[LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE] |  | 10   | Time Weighted Average (TWA):      |                                | EH40 WEL |
| Calcium carbonate<br>471-34-1<br>[Dust, inhalable dust]                               |  | 10   | Time Weighted Average (TWA):      |                                | EH40 WEL |
| Calcium carbonate<br>471-34-1<br>[Dust, respirable dust]                              |  | 4    | Time Weighted Average (TWA):      |                                | EH40 WEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[ISOCYANATES, ALL (AS -NCO)]  |  | 0,02 | Time Weighted Average (TWA):      |                                | EH40 WEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[ISOCYANATES, ALL (AS -NCO)]  |  | 0,07 | Short Term Exposure Limit (STEL): | 15 minutes                     | EH40 WEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]               |  |      | Time Weighted Average (TWA):      | Effective date: 9 April 2026   | EU_OEL   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]               |  |      | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029 | EU_OEL   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]               |  |      | Hazard Designation:               |                                | EU_OEL   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]               |  |      | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026   | EU_OEL   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]               |  |      | Time Weighted Average (TWA):      | Effective date: 1 January 2029 | EU_OEL   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]               |  |      | Hazard Designation:               |                                | EU_OEL   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]               |  |      | Hazard Designation:               |                                | EU_OEL   |

|                                                                                  |  |      |                                   |                                |          |
|----------------------------------------------------------------------------------|--|------|-----------------------------------|--------------------------------|----------|
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[ISOCYANATES, ALL (AS -NCO)] |  | 0,02 | Time Weighted Average (TWA):      |                                | EH40 WEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[ISOCYANATES, ALL (AS -NCO)] |  | 0,07 | Short Term Exposure Limit (STEL): | 15 minutes                     | EH40 WEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]              |  |      | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026   | EU_OEL   |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]              |  |      | Hazard Designation:               |                                | EU_OEL   |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]              |  |      | Hazard Designation:               |                                | EU_OEL   |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]              |  |      | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029 | EU_OEL   |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]              |  |      | Hazard Designation:               |                                | EU_OEL   |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]              |  |      | Time Weighted Average (TWA):      | Effective date: 9 April 2026   | EU_OEL   |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]              |  |      | Time Weighted Average (TWA):      | Effective date: 1 January 2029 | EU_OEL   |

### Occupational Exposure Limits

Valid for  
Ireland

| Ingredient [Regulated substance]                                                                                                                                                                     | ppm | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|-----------------------------------|----------------------------------------------|-----------------|
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE]                                                                                                                                                        |     | 4                 | Time Weighted Average (TWA):      |                                              | IR_OEL          |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE]                                                                                                                                                        |     | 10                | Time Weighted Average (TWA):      |                                              | IR_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))] |     | 0,07              | Short Term Exposure Limit (STEL): | 15 minutes                                   | IR_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))] |     | 0,02              | Time Weighted Average (TWA):      |                                              | IR_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                                   |     |                   | Hazard Designation:               |                                              | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                                   |     |                   | Hazard Designation:               |                                              | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                                   |     |                   | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026                 | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                                   |     |                   | Hazard Designation:               |                                              | EU_OEL          |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                                   |     |                   | Time Weighted Average             | Effective date: 9 April 2026                 | EU_OEL          |

|                                                                                                                                                                                           |  |      |                                   |                                |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|-----------------------------------|--------------------------------|--------|
| homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                                                                  |  |      | (TWA):                            |                                |        |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                        |  |      | Time Weighted Average (TWA):      | Effective date: 1 January 2029 | EU_OEL |
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[Diisocyanates]                                                                                                        |  |      | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029 | EU_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))]      |  | 0,02 | Time Weighted Average (TWA):      |                                | IR_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))]      |  | 0,07 | Short Term Exposure Limit (STEL): | 15 minutes                     | IR_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                                                                                                                        |  |      | Hazard Designation:               |                                | EU_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                                                                                                                        |  |      | Hazard Designation:               |                                | EU_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                                                                                                                        |  |      | Time Weighted Average (TWA):      | Effective date: 1 January 2029 | EU_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                                                                                                                        |  |      | Time Weighted Average (TWA):      | Effective date: 9 April 2026   | EU_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                                                                                                                        |  |      | Hazard Designation:               |                                | EU_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                                                                                                                        |  |      | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029 | EU_OEL |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[Diisocyanates]                                                                                                                        |  |      | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026   | EU_OEL |
| Calcium carbonate<br>471-34-1<br>[DUSTS NON-SPECIFIC]                                                                                                                                     |  | 4    | Time Weighted Average (TWA):      |                                | IR_OEL |
| Calcium carbonate<br>471-34-1<br>[DUSTS NON-SPECIFIC]                                                                                                                                     |  | 10   | Time Weighted Average (TWA):      |                                | IR_OEL |
| Calcium carbonate<br>471-34-1<br>[Calcium carbonate]                                                                                                                                      |  | 10   | Time Weighted Average (TWA):      |                                | IR_OEL |
| Calcium carbonate<br>471-34-1<br>[Calcium carbonate]                                                                                                                                      |  | 4    | Time Weighted Average (TWA):      |                                | IR_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))] |  | 0,07 | Short Term Exposure Limit (STEL): | 15 minutes                     | IR_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))] |  | 0,02 | Time Weighted Average (TWA):      |                                | IR_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]                                                                                                                   |  |      | Time Weighted Average (TWA):      | Effective date: 9 April 2026   | EU_OEL |

|                                                                                                                                                                                       |  |      |                                   |                                |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|-----------------------------------|--------------------------------|--------|
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]                                                                                                               |  |      | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029 | EU_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]                                                                                                               |  |      | Hazard Designation:               |                                | EU_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]                                                                                                               |  |      | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026   | EU_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]                                                                                                               |  |      | Time Weighted Average (TWA):      | Effective date: 1 January 2029 | EU_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]                                                                                                               |  |      | Hazard Designation:               |                                | EU_OEL |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[Diisocyanates]                                                                                                               |  |      | Hazard Designation:               |                                | EU_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))] |  | 0,07 | Short Term Exposure Limit (STEL): | 15 minutes                     | IR_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[ISOCYANATES, ALL, EXCEPT METHYL ISOCYANATE (CAS NO. 624-83-9) AND TOLUENE (2,4 OR 2,6 DIISOCYANATE (CAS NO. 584-84-9, 91-08-7))] |  | 0,02 | Time Weighted Average (TWA):      |                                | IR_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]                                                                                                                   |  |      | Short Term Exposure Limit (STEL): | Effective date: 9 April 2026   | EU_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]                                                                                                                   |  |      | Hazard Designation:               |                                | EU_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]                                                                                                                   |  |      | Hazard Designation:               |                                | EU_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]                                                                                                                   |  |      | Short Term Exposure Limit (STEL): | Effective date: 1 January 2029 | EU_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]                                                                                                                   |  |      | Hazard Designation:               |                                | EU_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]                                                                                                                   |  |      | Time Weighted Average (TWA):      | Effective date: 9 April 2026   | EU_OEL |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[Diisocyanates]                                                                                                                   |  |      | Time Weighted Average (TWA):      | Effective date: 1 January 2029 | EU_OEL |

**Predicted No-Effect Concentration (PNEC):**

| Name on list                                      | Environmental Compartment    | Exposure period | Value        |     |            |        | Remarks                          |
|---------------------------------------------------|------------------------------|-----------------|--------------|-----|------------|--------|----------------------------------|
|                                                   |                              |                 | mg/l         | ppm | mg/kg      | others |                                  |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | aqua (freshwater)            |                 | 0,0037 mg/l  |     |            |        |                                  |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | aqua (intermittent releases) |                 | 0,037 mg/l   |     |            |        |                                  |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | aqua (marine water)          |                 | 0,00037 mg/l |     |            |        |                                  |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | sediment (freshwater)        |                 |              |     | 11,7 mg/kg |        |                                  |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | sediment (freshwater)        |                 |              |     | 1,17 mg/kg |        |                                  |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | Soil                         |                 |              |     | 2,33 mg/kg |        |                                  |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | Predator                     |                 |              |     |            |        | no potential for bioaccumulation |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | aqua (freshwater)            |                 | 0,0037 mg/l  |     |            |        |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | Freshwater - intermittent    |                 | 0,037 mg/l   |     |            |        |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | aqua (marine water)          |                 | 0,00037 mg/l |     |            |        |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | sediment (freshwater)        |                 |              |     | 11,7 mg/kg |        |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | sediment (marine water)      |                 |              |     | 1,17 mg/kg |        |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | Soil                         |                 |              |     | 2,33 mg/kg |        |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | aqua (freshwater)            |                 | 0,0037 mg/l  |     |            |        |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | aqua (marine water)          |                 | 0,00037 mg/l |     |            |        |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | Freshwater - intermittent    |                 | 0,037 mg/l   |     |            |        |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | sediment (freshwater)        |                 |              |     | 11,7 mg/kg |        |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | sediment (marine water)      |                 |              |     | 1,17 mg/kg |        |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | Soil                         |                 |              |     | 2,33 mg/kg |        |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | Predator                     |                 |              |     |            |        | no potential for bioaccumulation |

**Derived No-Effect Level (DNEL):**

| Name on list                                      | Application Area   | Route of Exposure | Health Effect                             | Exposure Time | Value       | Remarks                          |
|---------------------------------------------------|--------------------|-------------------|-------------------------------------------|---------------|-------------|----------------------------------|
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | Workers            | inhalation        | Long term exposure - local effects        |               | 0,05 mg/m3  | no potential for bioaccumulation |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | Workers            | inhalation        | Acute/short term exposure - local effects |               | 0,1 mg/m3   | no potential for bioaccumulation |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | General population | inhalation        | Long term exposure - local effects        |               | 0,025 mg/m3 | no potential for bioaccumulation |
| 4,4'-methylenediphenyl diisocyanate 101-68-8      | General population | inhalation        | Acute/short term exposure - local effects |               | 0,05 mg/m3  | no potential for bioaccumulation |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | Workers            | inhalation        | Acute/short term exposure - local effects |               | 0,1 mg/m3   |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | Workers            | inhalation        | Long term exposure - local effects        |               | 0,05 mg/m3  |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | General population | inhalation        | Acute/short term exposure - local effects |               | 0,05 mg/m3  |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | General population | inhalation        | Long term exposure - local effects        |               | 0,025 mg/m3 |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | Workers            | dermal            | Long term exposure - local effects        |               |             |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | Workers            | dermal            | Acute/short term exposure - local effects |               |             |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | General population | dermal            | Long term exposure - local effects        |               |             |                                  |
| o-(p-Isocyanatobenzyl)phenyl isocyanate 5873-54-1 | General population | dermal            | Acute/short term exposure - local effects |               |             |                                  |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | Workers            | inhalation        | Acute/short term exposure - local effects |               | 0,1 mg/m3   | no potential for bioaccumulation |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | Workers            | inhalation        | Long term exposure - local effects        |               | 0,05 mg/m3  | no potential for bioaccumulation |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | General population | inhalation        | Acute/short term exposure - local effects |               | 0,05 mg/m3  | no potential for bioaccumulation |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | General population | inhalation        | Long term exposure - local effects        |               | 0,025 mg/m3 | no potential for bioaccumulation |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | Workers            | dermal            | Long term exposure - local effects        |               |             | no potential for bioaccumulation |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | Workers            | dermal            | Acute/short term exposure - local effects |               |             | no potential for bioaccumulation |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | General population | dermal            | Long term exposure - local effects        |               |             | no potential for bioaccumulation |
| 2,2'-Methylenediphenyl diisocyanate 2536-05-2     | General population | dermal            | Acute/short term exposure - local effects |               |             | no potential for bioaccumulation |

**Biological Exposure Indices:**

| Ingredient [Regulated substance]                                                                                     | Parameters                 | Biological specimen | Sampling time                                        | Conc. | Basis of biol. exposure index | Remark | Additional Information |
|----------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|------------------------------------------------------|-------|-------------------------------|--------|------------------------|
| Diphenylmethane diisocyanate, isomers and homologs<br>9016-87-9<br>[ISOCYANATES (APPLIES TO HDI, IPDI, TDI AND MDI)] | Isocyanate-derived diamine | Creatinine in urine | Sampling time: At the end of the period of exposure. |       | UKEH40BMG V                   |        |                        |
| 4,4'-Methylenediphenyl diisocyanate<br>101-68-8<br>[ISOCYANATES (APPLIES TO HDI, IPDI, TDI AND MDI)]                 | Isocyanate-derived diamine | Creatinine in urine | Sampling time: At the end of the period of exposure. |       | UKEH40BMG V                   |        |                        |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1<br>[ISOCYANATES (APPLIES TO HDI, IPDI, TDI AND MDI)]            | Isocyanate-derived diamine | Creatinine in urine | Sampling time: At the end of the period of exposure. |       | UKEH40BMG V                   |        |                        |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2<br>[ISOCYANATES (APPLIES TO HDI, IPDI, TDI AND MDI)]                | Isocyanate-derived diamine | Creatinine in urine | Sampling time: At the end of the period of exposure. |       | UKEH40BMG V                   |        |                        |

**8.2. Exposure controls:****Engineering controls:**

Use only in well ventilated areas.

Draw off vapors and fumes directly at the point of generation or release. In the case of regular work use bench-mounted extraction equipment.

**Respiratory protection:**

The product should only be used at workplaces with intensive ventilation/extraction.

If intensive ventilation/extraction is not possible respiratory protection equipment with ABEK P2 filter (EN 14387) should be worn.

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

**Skin protection:**

Wear protective equipment.

Protective clothing that covers arms and legs.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

Use only personal protection that's CE-labelled according to Directive 89/686/EEC (Europe) or to Regulation No. 819 of 19 August 1994 (Norway), or equivalent.

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

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

|                                                                         |                                                                                                                                     |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Delivery form                                                           | paste                                                                                                                               |
| Colour                                                                  | Black                                                                                                                               |
| Odor                                                                    | Odourless / Odorless                                                                                                                |
| Physical state                                                          | solid                                                                                                                               |
| Melting point                                                           | Not applicable, Determination technically not possible                                                                              |
| Solidification temperature                                              | Not applicable, Product is a solid                                                                                                  |
| Initial boiling point                                                   | Not applicable, Decomposes > 140°C (284°F).                                                                                         |
| Flammability                                                            | The product is not flammable.                                                                                                       |
| Explosive limits                                                        | Not applicable, Product is a solid                                                                                                  |
| Flash point                                                             | > 110 °C (> 230 °F); no method / method unknown                                                                                     |
| Auto-ignition temperature                                               | Not applicable, Product is a solid                                                                                                  |
| Decomposition temperature                                               | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH                                                                      | Not applicable, Product reacts with water.                                                                                          |
| Viscosity (kinematic)                                                   | Not applicable, Product is a solid                                                                                                  |
| Viscosity, dynamic<br>(Brookfield; 20 °C (68 °F); Conc.: 100 % product) | 26 - 32 Pa*s TE1002-208; Viscosity by Brookfield                                                                                    |
| Solubility (qualitative)<br>(Solvent: alcohol)                          | Insoluble                                                                                                                           |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water)             | Reacts with water.                                                                                                                  |
| Partition coefficient: n-octanol/water                                  | Not applicable                                                                                                                      |
| Vapour pressure<br>(20 °C (68 °F))                                      | Mixture<br>< 0,1 hPa                                                                                                                |
| Density<br>(20 °C (68 °F))                                              | 1,7 g/cm <sup>3</sup> QP2107.1; Density                                                                                             |
| Relative vapour density:                                                | Not applicable, Product is a solid                                                                                                  |
| Particle characteristics                                                | Not applicable, mixture is a paste.                                                                                                 |

### 9.2. Other information

Other information not applicable for this product

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reaction with water, alcohols, amines.

Reacts with water: Pressure built up in closed vessel (CO<sub>2</sub>).

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

Humidity

### 10.5. Incompatible materials

See section reactivity.

### 10.6. Hazardous decomposition products

At higher temperatures isocyanate may be released.

Carbon dioxide is generated under contact with moisture, leading to pressure in the cans. Danger of cans bursting!

## SECTION 11: Toxicological information

### General toxicological information:

An allergic reaction cannot be excluded after repeated skin contact.

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.                                   | Value<br>type | Value          | Species | Method                                   |
|-------------------------------------------------------------------|---------------|----------------|---------|------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | LD50          | > 10.000 mg/kg | rat     | OECD Guideline 401 (Acute Oral Toxicity) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | LD50          | > 2.000 mg/kg  | rat     | other guideline:                         |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | LD50          | > 2.000 mg/kg  | rat     | other guideline:                         |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | LD50          | > 2.000 mg/kg  | rat     | EU Method B.1 (Acute Toxicity (Oral))    |

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.                                   | Value<br>type | Value         | Species | Method                                     |
|-------------------------------------------------------------------|---------------|---------------|---------|--------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | LD50          | > 9.400 mg/kg | rat     | OECD Guideline 402 (Acute Dermal Toxicity) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | LD50          | > 9.400 mg/kg | rabbit  | OECD Guideline 402 (Acute Dermal Toxicity) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | LD50          | > 9.400 mg/kg | rabbit  | OECD Guideline 402 (Acute Dermal Toxicity) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | LD50          | > 9.400 mg/kg | rabbit  | OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.                                   | Value<br>type                 | Value    | Test atmosphere | Exposure<br>time | Species | Method           |
|-------------------------------------------------------------------|-------------------------------|----------|-----------------|------------------|---------|------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | Acute toxicity estimate (ATE) | 1,5 mg/l | dust/mist       | 4 h              |         | Expert judgement |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | Acute toxicity estimate (ATE) | 1,5 mg/l | dust/mist       | 4 h              |         | Expert judgement |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | Acute toxicity estimate (ATE) | 1,5 mg/l | dust/mist       | 4 h              |         | Expert judgement |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | Acute toxicity estimate (ATE) | 1,5 mg/l | dust/mist       | 4 h              |         | Expert judgement |

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Result     | Exposure<br>time | Species | Method                                                   |
|-------------------------------------------------------------------|------------|------------------|---------|----------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | irritating |                  | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | irritating | 4 h              | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | irritating |                  | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Result     | Exposure<br>time | Species | Method                                                |
|-------------------------------------------------------------------|------------|------------------|---------|-------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | irritating |                  | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | irritating |                  | human   | Weight of evidence                                    |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | irritating |                  | human   | Weight of evidence                                    |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Result          | Test type                          | Species    | Method                                                          |
|-------------------------------------------------------------------|-----------------|------------------------------------|------------|-----------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | sensitising     | Skin sensitisation                 | guinea pig | OECD Guideline 406 (Skin Sensitisation)                         |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | sensitising     | Buehler test                       | guinea pig | OECD Guideline 406 (Skin Sensitisation)                         |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | sensitising     | Respiratory sensitisation          | guinea pig | not specified                                                   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | sensitising     | Respiratory sensitisation          | guinea pig | not specified                                                   |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | not sensitising | Buehler test                       | guinea pig | OECD Guideline 406 (Skin Sensitisation)                         |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | sensitising     | Mouse local lymphnode assay (LLNA) | mouse      | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | sensitising     | Mouse local lymphnode assay (LLNA) | mouse      | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | sensitising     | Respiratory sensitisation          | guinea pig | not specified                                                   |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.                                   | Result   | Type of study /<br>Route of<br>administration    | Metabolic<br>activation /<br>Exposure time | Species | Method                                                       |
|-------------------------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------|---------|--------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                           |         | EU Method B.13/14 (Mutagenicity)                             |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                           |         | EU Method B.13/14 (Mutagenicity)                             |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                           |         | OECD Guideline 471 (Bacterial Reverse Mutation Assay)        |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                           |         | OECD Guideline 471 (Bacterial Reverse Mutation Assay)        |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | negative | inhalation                                       |                                            | rat     | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | negative | inhalation                                       |                                            | rat     | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | negative | inhalation                                       |                                            | rat     | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |

**Carcinogenicity**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous components<br>CAS-No.                                   | Result       | Route of<br>application | Exposure<br>time /<br>Frequency<br>of treatment | Species | Sex         | Method                                                                   |
|-------------------------------------------------------------------|--------------|-------------------------|-------------------------------------------------|---------|-------------|--------------------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | carcinogenic | inhalation:<br>aerosol  | 2 y<br>6 h/d                                    | rat     | male/female | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | carcinogenic | inhalation:<br>aerosol  | 2 y<br>6 h/d                                    | rat     | male/female | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | carcinogenic | inhalation:<br>aerosol  | 2 y<br>6 h/d, 5 d/w                             | rat     | male/female | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | carcinogenic | inhalation:<br>aerosol  | 2 y<br>6 h/d, 5 d/w                             | rat     | male/female | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Assessment                        | Route of<br>exposure | Target Organs | Remarks |
|-------------------------------------------------------------------|-----------------------------------|----------------------|---------------|---------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | May cause respiratory irritation. |                      |               |         |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | May cause respiratory irritation. |                      |               |         |

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Result / Value              | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method                                                                   |
|-------------------------------------------------------------------|-----------------------------|-------------------------|----------------------------------------------|---------|--------------------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | NOAEL 0,0002 mg/l           | inhalation:<br>aerosol  | 2 y<br>6 h per d, 5 d per week               | rat     | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | NOAEL 0,0002 mg/l           | inhalation:<br>aerosol  | main: 2 y; satellite: 1 y<br>6 h/d; 5 d/w    | rat     | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | NOAEL 0,2 mg/m <sup>3</sup> | inhalation:<br>aerosol  | 2 y<br>6 h/d, 5 d/w                          | rat     | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | NOAEL 0,2 mg/m <sup>3</sup> | inhalation:<br>aerosol  | 2 y<br>6 h/d, 5 d/w                          | rat     | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

**Aspiration hazard:**

No data available.

**11.2 Information on other hazards**

not applicable

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Value<br>type | Value                       | Exposure time | Species                                   | Method                                         |
|-------------------------------------------------------------------|---------------|-----------------------------|---------------|-------------------------------------------|------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | LC50          | > 1.000 mg/l                | 96 h          | Brachydanio rerio (new name: Danio rerio) | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | LL50          | > 100 mg/l                  | 96 h          | Danio rerio                               | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | LC50          | Toxicity > Water Solubility | 96 h          | Danio rerio                               | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | LC50          | Toxicity > Water solubility | 96 h          | Danio rerio                               | OECD Guideline 203 (Fish, Acute Toxicity Test) |

#### Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Value<br>type | Value                       | Exposure time | Species       | Method                                                     |
|-------------------------------------------------------------------|---------------|-----------------------------|---------------|---------------|------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | EC50          | > 1.000 mg/l                | 24 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | EC50          | > 100 mg/l                  | 48 h          | Daphnia magna | EU Method C.2 (Acute Toxicity for Daphnia)                 |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | EC50          | Toxicity > Water Solubility | 24 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | EC50          | Toxicity > Water solubility | 24 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

#### Chronic toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Value<br>type | Value                       | Exposure time | Species       | Method                                      |
|-------------------------------------------------------------------|---------------|-----------------------------|---------------|---------------|---------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | NOEC          | 10 mg/l                     | 21 d          | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | NOEC          | 10 mg/l                     | 21 d          | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | NOEC          | Toxicity > Water solubility | 21 day        | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

|                                                  |      |                             |        |               |                                             |
|--------------------------------------------------|------|-----------------------------|--------|---------------|---------------------------------------------|
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2 | NOEC | Toxicity > Water solubility | 21 day | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |
|--------------------------------------------------|------|-----------------------------|--------|---------------|---------------------------------------------|

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Value<br>type | Value                       | Exposure time | Species                                                       | Method                                            |
|-------------------------------------------------------------------|---------------|-----------------------------|---------------|---------------------------------------------------------------|---------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | EC50          | > 1.640 mg/l                | 72 h          | Desmodesmus subspicatus                                       | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | EL50          | > 100 mg/l                  | 72 h          | Desmodesmus subspicatus                                       | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | NOELR         | 100 mg/l                    | 72 h          | Desmodesmus subspicatus                                       | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | EC50          | Toxicity > Water Solubility | 72 h          | Desmodesmus subspicatus (reported as Scenedesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | NOELR         | Toxicity > Water Solubility | 72 h          | Desmodesmus subspicatus (reported as Scenedesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | EC50          | Toxicity > Water solubility | 72 h          | Desmodesmus subspicatus (reported as Scenedesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | NOELR         | Toxicity > Water solubility | 72 h          | Desmodesmus subspicatus (reported as Scenedesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |

**Toxicity (microorganisms):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Value<br>type | Value        | Exposure time | Species                                             | Method                                                             |
|-------------------------------------------------------------------|---------------|--------------|---------------|-----------------------------------------------------|--------------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | EC50          | > 100 mg/l   | 3 h           | activated sludge                                    | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | EC50          | > 1.000 mg/l | 3 h           | activated sludge of a predominantly domestic sewage | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

**12.2. Persistence and degradability**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Result                       | Test type     | Degradability | Exposure<br>time | Method                                                                      |
|-------------------------------------------------------------------|------------------------------|---------------|---------------|------------------|-----------------------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | not inherently biodegradable | aerobic       | 0 %           | 28 d             | OECD Guideline 302 C (Inherent Biodegradability: Modified MITI Test (II))   |
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | not readily biodegradable.   | not specified | 0 %           | 28 d             | OECD 301 A - F                                                              |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | not readily biodegradable.   | aerobic       | 0 %           | 28 d             | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | not inherently biodegradable | aerobic       | 0 %           | 28 d             | OECD Guideline 302 C (Inherent Biodegradability: Modified MITI Test (II))   |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | not inherently biodegradable | aerobic       | 0 %           | 28 day           | OECD Guideline 302 C (Inherent Biodegradability: Modified MITI Test (II))   |

### 12.3. Bioaccumulative potential

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                                   | Bioconcentration factor (BCF) | Exposure time | Temperature | Species         | Method                                                         |
|-------------------------------------------------------------------|-------------------------------|---------------|-------------|-----------------|----------------------------------------------------------------|
| Diphenylmethane diisocyanate, isomers and homologues<br>9016-87-9 | 200                           |               |             | Cyprinus carpio | OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)  |
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8                   | 92 - 200                      | 28 d          |             | Cyprinus carpio | OECD Guideline 305 E (Bioaccumulation: Flow-through Fish Test) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1              | 200                           | 28 day        |             | Cyprinus carpio | OECD Guideline 305 E (Bioaccumulation: Flow-through Fish Test) |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2                  | 200                           | 28 day        |             | Cyprinus carpio | OECD Guideline 305 E (Bioaccumulation: Flow-through Fish Test) |

### 12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                      | LogPow | Temperature | Method                                                                      |
|------------------------------------------------------|--------|-------------|-----------------------------------------------------------------------------|
| 4,4'-methylenediphenyl diisocyanate<br>101-68-8      | 4,51   | 22 °C       | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method) |
| o-(p-Isocyanatobenzyl)phenyl isocyanate<br>5873-54-1 | 5,22   |             | QSAR (Quantitative Structure Activity Relationship)                         |
| 2,2'-Methylenediphenyl diisocyanate<br>2536-05-2     | 5,22   |             | QSAR (Quantitative Structure Activity Relationship)                         |

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

### 12.6. Endocrine disrupting properties

not applicable

### 12.7. Other adverse effects

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

080409

**SECTION 14: Transport information****14.1. UN number or ID number**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.2. UN proper shipping name**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.3. Transport hazard class(es)**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.4. Packing group**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.5. Environmental hazards**

|      |                |
|------|----------------|
| ADR  | not applicable |
| RID  | not applicable |
| ADN  | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.6. Special precautions for user**

|     |                |
|-----|----------------|
| ADR | not applicable |
|-----|----------------|

|      |                |
|------|----------------|
| RID  | not applicable |
| ADN  | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

|                                                                |                |
|----------------------------------------------------------------|----------------|
| Ozone Depleting Substance (ODS) (Regulation (EC) No 2024/590): | Not applicable |
| Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):    | Not applicable |
| Persistent organic pollutants (Regulation (EU) 2019/1021):     | Not applicable |

|                             |       |
|-----------------------------|-------|
| VOC content<br>(2010/75/EU) | 0,0 % |
|-----------------------------|-------|

**VOC Paints and Varnishes (EU):**

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Product (sub)category: | This product is not a subject of the Directive 2004/42/EC |
|------------------------|-----------------------------------------------------------|

**15.2. Chemical safety assessment**

A chemical safety assessment has been carried out.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

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.

Abbreviations and acronyms:

ADG(-Code): Australian Dangerous Goods (Code)  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
ASTM: American Society for Testing and Materials  
ATE: acute toxicity estimate  
AS: Australian Standard  
AwSV: Ordinance on Installations for the Handling of Substances Hazardous to Water  
CAS: Chemical Abstract Service  
CLP: Regulation (EC) No 1272/2008  
CMR: cancerogenic, mutagenic or reprotoxic  
DIN: German Institute for Standardization  
ECx: Effective concentration (x% effective level)  
ECHA: European Chemicals Agency  
EC-Nummer: Substance number in the EU-inventories EINECS/ELINCS  
ECTLV: European community threshold limit value  
ED: Substance identified as having endocrine disrupting properties  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
EN : European Standard  
ENCS: Japanese chemical inventory  
EPA: US Environmental Protection Agency  
EU: European Union  
EU EXPLD1: Substance listed in Annex I, Reg (EC) No. 2019/1148  
EU EXPLD2: Substance listed in Annex II, Reg (EC) No. 2019/1148  
EWC: European Waste Catalogue  
GHS: Globally Harmonised System for Classification and Labelling of Chemicals  
GLP: Good Laboratory Practice  
HSNO: Hazardous Substances and New Organisms  
IARC: International Agency for Research of Cancer  
IATA: International Air Transport Association  
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization  
IMDG-Code: International Maritime Code for Dangerous Goods  
IMO: International Maritime Organization  
ISO: International Standardization Organisation  
LC50: Median lethal concentration  
LD50: Median lethal dose  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
n.o.s.: not otherwise specified  
NO(A)EC: No (adverse) effect concentration  
NO(A)EL: No (adverse) effect level  
NZS: New Zealand Standard  
OECD: Organisation for Economic Co-operation and Development  
OEL: Occupational Exposure Limit  
OPPT: US EPA Office of Pollution Prevention and Toxics  
OPPTS: US EPA Office of Prevention, Pesticides and Toxic Substances  
PBT: Persistent, bioaccumulative, toxic  
(Q)SAR: (Quantitative) structure–activity relationship  
REACH: Regulation (EC) No. 1907/2006  
RID: Regulations concerning the International Transport of Dangerous Goods by Rail

SADT: Self Accelerating Decomposition Temperature  
SDS: Safety Data Sheet  
STOT: Specific Target Organ Toxicity  
STOT SE: Specific Target Organ Toxicity - single exposure  
STOT RE: Specific Target Organ Toxicity - repeated exposure  
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons  
SVHC: Substance of very high concern (REACH Candidate List)  
TRGS: German Technical Rules for hazardous substances  
UN: United Nations  
VOC: Volatile Organic Compound  
814.018 VOC Reg CH: Swiss Ordinance 814.018 on the Incentive Tax on Volatile Organic Compounds  
vPvB: Very persistent, very bioaccumulative  
VwVwS: Administrative Regulation on Substances Hazardous to Waters  
WGK: Water hazard class

**Further information:**

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