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



SDS No. : 180161
V015.0

TEROSON PU 92 WH

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Replaces version from: 27.04.2022

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

**1.1. Product identifier**
TEROSON PU 92 WH

**1.2. Relevant identified uses of the substance or mixture and uses advised against**
Intended use:
1-Component 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

ua-productsafety.uk@henkel.com
For Safety Data Sheet updates please visit our website https://mysds.henkel.com/index.html#/appSelection or www.henkel-adhesives.com.

**1.4. Emergency telephone number**
24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

## 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. | |
| 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** Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]

Diphenylmethane diisocyanate, isomers and homologues

**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.
H373 May cause damage to organs through prolonged or repeated exposure.

**Supplemental information**
Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
As from 24 August 2023 adequate training is required before industrial or professional use.
Further information: https://www.feica.eu/PUinfo

**Precautionary statement: Prevention**
P260 Do not breathe vapours.
P280 Wear protective gloves/eye protection.

**Precautionary statement: Response**
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

### 2.3. Other hazards

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**Following substances are present in a concentration >= 0,1% and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):**

This mixture does not contain any substances in concentration ≥ the concentration limit 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 Number<br>REACH-Reg No. | Concentration | Classification | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | 20- 40 % | Acute Tox. 4, Inhalation, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Resp. Sens. 1, H334<br>STOT SE 3, H335<br>STOT RE 2, H373 | oral:ATE = > 5.000 mg/kg<br>inhalation:ATE = 1,5 mg/l;dust/mist | |
| Xylene - mixture of isomeres<br>1330-20-7<br>215-535-7<br>01-2119488216-32 | 1- < 5 % | Asp. Tox. 1, H304<br>Acute Tox. 4, Inhalation, H332<br>Acute Tox. 4, Dermal, H312<br>Skin Irrit. 2, H315<br>Flam. Liq. 3, H226<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412 | | EU OEL |
| ethylbenzene<br>100-41-4<br>202-849-4<br>01-2119489370-35 | 1- < 5 % | Flam. Liq. 2, H225<br>Acute Tox. 4, Inhalation, H332<br>Asp. Tox. 1, H304<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT SE 3, H336 | | EU OEL |
| Titanium dioxide<br>13463-67-7<br>236-675-5<br>01-2119489379-17 | 1- < 3 % | Carc. 2, Inhalation, H351 | | |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4<br>918-167-1<br>01-2119472146-39 | 1- < 3 % | Asp. Tox. 1, H304<br>Flam. Liq. 3, H226 | dermal:ATE = 2.201 mg/kg | |
| methylenediphenyl diisocyanate<br>26447-40-5<br>247-714-0<br>01-2119457015-45 | 0,1- < 1 % | Acute Tox. 4, Inhalation, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT RE 2, Inhalation, H373<br>STOT SE 3, H335<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317 | STOT SE 3; H335; C >= 5 %<br>Resp. Sens. 1; H334; C >= 0,1 %<br>Skin Irrit. 2; H315; C >= 5 %<br>Eye Irrit. 2; H319; C >= 5 % | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8<br>202-966-0<br>01-2119457014-47 | 0,1- < 1 % | 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 % | |
| MDI homopolymer<br>25686-28-6<br>500-040-3<br>500-040-3<br>01-2119457013-49 | 0,1- < 1 % | Acute Tox. 4, Inhalation, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Carc. 2, H351<br>STOT RE 2, Inhalation, H373 | Resp. Sens. 1; H334; C >= 0,1 %<br>Eye Irrit. 2; H319; C >= 5 %<br>Skin Irrit. 2; H315; C >= 5 %<br>STOT SE 3; H335; C >= 5 % | |

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

**Substances without classification may have community workplace exposure limits available.**

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

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:
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.
Take off contaminated clothing and wash before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**
Store in sealed original container protected against moisture.
Ensure good ventilation/extraction.
Store in a cool, dry place.
Keep away from heat and direct sunlight.
Keep container tightly sealed and store in a frost free place.

**7.3. Specific end use(s)**
1-Component sealant

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational Exposure Limits**

Valid for
Great Britain

| Ingredient [Regulated substance] | ppm | mg/m³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|---|---|---|---|---|---|
| Polyvinyl chloride<br>9002-86-2<br>[Polyvinyl chloride, respirable dust] | | 4 | Time Weighted Average (TWA): | | EH40 WEL |
| Polyvinyl chloride<br>9002-86-2<br>[Polyvinyl chloride, inhalable dust] | | 10 | 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 |
| Xylene<br>1330-20-7<br>[XYLENE, O-, M-, P- OR MIXED ISOMERS] | | | Skin designation: | Can be absorbed through the skin. | EH40 WEL |
| Xylene<br>1330-20-7<br>[XYLENE, O-, M-, P- OR MIXED ISOMERS] | 50 | 220 | Time Weighted Average (TWA): | | EH40 WEL |
| Xylene<br>1330-20-7<br>[XYLENE, MIXED ISOMERS, PURE] | 50 | 221 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Xylene<br>1330-20-7<br>[XYLENE, MIXED ISOMERS, PURE] | 100 | 442 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| Xylene<br>1330-20-7<br>[XYLENE, O-, M-, P- OR MIXED ISOMERS] | 100 | 441 | Short Term Exposure Limit (STEL): | 15 minutes | EH40 WEL |
| Di-"isononyl" phthalate<br>28553-12-0<br>[Diisononyl phthalate] | | 5 | Time Weighted Average (TWA): | | EH40 WEL |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | | | Skin designation: | Can be absorbed through the skin. | EH40 WEL |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | 100 | 441 | Time Weighted Average (TWA): | | EH40 WEL |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | 100 | 442 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | 200 | 884 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | 125 | 552 | Short Term Exposure Limit (STEL): | 15 minutes | EH40 WEL |
| Titanium dioxide<br>13463-67-7<br>[TITANIUM DIOXIDE, RESPIRABLE] | | 4 | Time Weighted Average (TWA): | | EH40 WEL |
| Titanium dioxide | | 10 | Time Weighted Average | | EH40 WEL |

| | | | | | |
|---|---|---|---|---|---|
| 13463-67-7<br>[TITANIUM DIOXIDE, TOTAL INHALABLE] | | | (TWA): | | |
| Methylenediphenyl diisocyanate<br>26447-40-5<br>[ISOCYANATES, ALL (AS -NCO)] | | 0,02 | Time Weighted Average (TWA): | | EH40 WEL |
| Methylenediphenyl diisocyanate<br>26447-40-5<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>[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, homopolymer<br>25686-28-6<br>[ISOCYANATES, ALL (AS -NCO)] | | 0,02 | Time Weighted Average (TWA): | | EH40 WEL |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6<br>[ISOCYANATES, ALL (AS -NCO)] | | 0,07 | Short Term Exposure Limit (STEL): | 15 minutes | EH40 WEL |

**Occupational Exposure Limits**

Valid for
Ireland

| **Ingredient [Regulated substance]** | **ppm** | **mg/m$^3$** | **Value type** | **Short term exposure limit category / Remarks** | **Regulatory list** |
|---|---|---|---|---|---|
| Polyvinyl chloride<br>9002-86-2<br>[POLYVINYL CHLORIDE (PVC)] | | 1 | Time Weighted Average (TWA): | | IR_OEL |
| Polyvinyl chloride<br>9002-86-2<br>[POLYVINYL CHLORIDE (PVC)] | | 10 | 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 |
| Xylene<br>1330-20-7<br>[XYLENE, MIXED ISOMERS] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| Xylene<br>1330-20-7<br>[XYLENE, MIXED ISOMERS] | 50 | 221 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Xylene<br>1330-20-7<br>[XYLENE, MIXED ISOMERS, PURE] | 50 | 221 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Xylene<br>1330-20-7<br>[XYLENE, MIXED ISOMERS, PURE] | 100 | 442 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| Xylene<br>1330-20-7<br>[XYLENE, MIXED ISOMERS] | 100 | 442 | Short Term Exposure Limit (STEL): | 15 minutes<br>Indicative OELV | IR_OEL |
| Di-"isononyl" phthalate<br>28553-12-0<br>[Diisononyl phthalate] | | 5 | Time Weighted Average (TWA): | | IR_OEL |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | 100 | 442 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | 100 | 442 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Ethylbenzene<br>100-41-4<br>[ETHYLBENZENE] | 200 | 884 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| Ethylbenzene<br>100-41-4 | 200 | 884 | Short Term Exposure Limit (STEL): | 15 minutes<br>Indicative OELV | IR_OEL |

| | | | | | |
|---|---|---|---|---|---|
| [ETHYLBENZENE] | | | | | |
| Titanium dioxide<br>13463-67-7<br>[TITANIUM DIOXIDE] | | 10 | Time Weighted Average (TWA): | | IR_OEL |
| Titanium dioxide<br>13463-67-7<br>[TITANIUM DIOXIDE] | | 4 | Time Weighted Average (TWA): | | IR_OEL |
| Methylenediphenyl diisocyanate<br>26447-40-5<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 |
| Methylenediphenyl diisocyanate<br>26447-40-5<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>[4,4'-METHYLENE-DIPHENYL DIISOCYANATE (AS -NCO)] | 0,005 | | 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)] | | 0,02 | 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, homopolymer<br>25686-28-6<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, homopolymer<br>25686-28-6<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 |

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

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|---|---|---|---|---|---|---|---|
| | | | mg/l | ppm | mg/kg | others | |
| Xylene - mixture of isomeres<br>1330-20-7 | aqua (freshwater) | | 0,327 mg/l | | | | |
| Xylene - mixture of isomeres<br>1330-20-7 | sediment (freshwater) | | | | 12,46 mg/kg | | |
| Xylene - mixture of isomeres<br>1330-20-7 | Soil | | | | 2,31 mg/kg | | |
| Xylene - mixture of isomeres<br>1330-20-7 | aqua (marine water) | | 0,327 mg/l | | | | |
| Xylene - mixture of isomeres<br>1330-20-7 | aqua (intermittent releases) | | 0,327 mg/l | | | | |
| Xylene - mixture of isomeres<br>1330-20-7 | sewage treatment plant (STP) | | 6,58 mg/l | | | | |
| Xylene - mixture of isomeres<br>1330-20-7 | sediment (marine water) | | | | 12,46 mg/kg | | |
| ethylbenzene<br>100-41-4 | aqua (intermittent releases) | | 0,1 mg/l | | | | |
| ethylbenzene<br>100-41-4 | aqua (freshwater) | | 0,1 mg/l | | | | |
| ethylbenzene<br>100-41-4 | sediment (marine water) | | | | 1,37 mg/kg | | |
| ethylbenzene<br>100-41-4 | sediment (freshwater) | | | | 13,7 mg/kg | | |
| ethylbenzene<br>100-41-4 | sewage treatment plant (STP) | | 9,6 mg/l | | | | |
| ethylbenzene<br>100-41-4 | aqua (marine water) | | 0,01 mg/l | | | | |
| ethylbenzene<br>100-41-4 | Soil | | | | 2,68 mg/kg | | |
| ethylbenzene<br>100-41-4 | oral | | | | 20 mg/kg | | |
| Titanium dioxide<br>13463-67-7 | Predator | | | | | | no potential for bioaccumulation |
| methylenediphenyl diisocyanate<br>26447-40-5 | sewage treatment plant (STP) | | 1 mg/l | | | | |
| methylenediphenyl diisocyanate<br>26447-40-5 | aqua (freshwater) | | 1 mg/l | | | | |
| methylenediphenyl diisocyanate<br>26447-40-5 | aqua (marine water) | | 0,1 mg/l | | | | |
| methylenediphenyl diisocyanate<br>26447-40-5 | Soil | | | | 1 mg/kg | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | aqua (freshwater) | | 0,0037 mg/l | | | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | aqua (intermittent releases) | | 0,037 mg/l | | | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | aqua (marine water) | | 0,00037 mg/l | | | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | sediment (freshwater) | | | | 11,7 mg/kg | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | sediment (freshwater) | | | | 1,17 mg/kg | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | Soil | | | | 2,33 mg/kg | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | Predator | | | | | | no potential for bioaccumulation |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | aqua (freshwater) | | 1 mg/l | | | | |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | aqua (marine water) | | 0,1 mg/l | | | | |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | Soil | | | | 1 mg/kg | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | sewage treatment plant (STP) | | 1 mg/l | | | | |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | aqua (intermittent releases) | | 10 mg/l | | | | |

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

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|---|---|---|---|---|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | Workers | inhalation | Long term exposure - systemic effects | | 221 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | Workers | inhalation | Acute/short term exposure - systemic effects | | 442 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | Workers | inhalation | Long term exposure - local effects | | 221 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | Workers | inhalation | Acute/short term exposure - local effects | | 442 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | Workers | dermal | Long term exposure - systemic effects | | 212 mg/kg | |
| Xylene - mixture of isomeres<br>1330-20-7 | General population | inhalation | Long term exposure - systemic effects | | 65,3 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | General population | inhalation | Acute/short term exposure - systemic effects | | 260 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | General population | inhalation | Long term exposure - local effects | | 65,3 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | General population | inhalation | Acute/short term exposure - local effects | | 260 mg/m3 | |
| Xylene - mixture of isomeres<br>1330-20-7 | General population | dermal | Long term exposure - systemic effects | | 125 mg/kg | |
| Xylene - mixture of isomeres<br>1330-20-7 | General population | oral | Long term exposure - systemic effects | | 12,5 mg/kg | |
| ethylbenzene<br>100-41-4 | Workers | inhalation | Acute/short term exposure - local effects | | 293 mg/m3 | |
| ethylbenzene<br>100-41-4 | General population | inhalation | Long term exposure - systemic effects | | 15 mg/m3 | |
| ethylbenzene<br>100-41-4 | General population | oral | Long term exposure - systemic effects | | 1,6 mg/kg | |
| ethylbenzene<br>100-41-4 | Workers | dermal | Long term exposure - systemic effects | | 180 mg/kg | |
| ethylbenzene<br>100-41-4 | Workers | inhalation | Long term exposure - systemic effects | | 77 mg/m3 | |
| Titanium dioxide<br>13463-67-7 | Workers | inhalation | Long term exposure - local effects | | 0,17 mg/m3 | no potential for bioaccumulation |
| Titanium dioxide<br>13463-67-7 | General population | inhalation | Long term exposure - local effects | | 0,028 mg/m3 | no potential for bioaccumulation |
| methylenediphenyl diisocyanate<br>26447-40-5 | Workers | inhalation | Long term exposure - local effects | | 0,05 mg/m3 | |
| methylenediphenyl diisocyanate<br>26447-40-5 | Workers | inhalation | Acute/short term exposure - local effects | | 0,1 mg/m3 | |
| methylenediphenyl diisocyanate<br>26447-40-5 | General population | inhalation | Acute/short term exposure - local effects | | 0,05 mg/m3 | |
| methylenediphenyl diisocyanate<br>26447-40-5 | General population | inhalation | Long term exposure - local effects | | 0,025 mg/m3 | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | Workers | inhalation | Long term exposure - local effects | | 0,05 mg/m3 | no potential for bioaccumulation |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | Workers | inhalation | Acute/short term exposure - local | | 0,1 mg/m3 | no potential for bioaccumulation |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | effects | | | |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | General population | inhalation | Long term exposure - local effects | | 0,025 mg/m3 | no potential for bioaccumulation |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | General population | inhalation | Acute/short term exposure - local effects | | 0,05 mg/m3 | no potential for bioaccumulation |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | Workers | inhalation | Long term exposure - local effects | | 0,05 mg/m3 | |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | Workers | inhalation | Acute/short term exposure - local effects | | 0,1 mg/m3 | |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | General population | inhalation | Long term exposure - local effects | | 0,025 mg/m3 | |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6 | General population | inhalation | Acute/short term exposure - local effects | | 0,05 mg/m3 | |

**Biological Exposure Indices:**

| Ingredient [Regulated substance] | Parameters | Biological specimen | Sampling time | Conc. | Basis of biol. exposure index | Remark | Additional Information |
|---|---|---|---|---|---|---|---|
| Xylene<br>1330-20-7<br>[XYLENE O-, M-, P-, OR MIXED ISOMERS] | Methylhippuric acids | Creatinine in urine | Sampling time: End of shift. | | UKEH40BMGV | | |
| Methylenediphenyl diisocyanate<br>26447-40-5<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. | | UKEH40BMGV | | |
| 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. | | UKEH40BMGV | | |
| 4,4'-Methylenediphenyl diisocyanate, homopolymer<br>25686-28-6<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. | | UKEH40BMGV | | |

**8.2. Exposure controls:**

Engineering controls:
Use only in well ventilated areas.

Respiratory protection:
If intensive ventilation/extraction is not possible respiratory protection equipment with ABEK P2 filter (EN 14387) should be worn.
The product should only be used at workplaces with intensive ventilation/extraction.

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): Fluorinated rubber (FKM; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Fluorinated rubber (FKM; >= 0.7 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

| | |
|---|---|
| Physical state | solid |
| Delivery form | solid material |
| Colour | white |
| Odor | of solvent |
| Solidification temperature | Not applicable, Product is a solid. |
| Initial boiling point | Not available. |
| Flammability | non flammable |
| Explosive limits | |
| lower | 0,1 %(V); No data available. |
| upper | 7,6 %(V); Upper/lower explosion limit |
| Flash point | Not available. |
| Auto-ignition temperature | Not applicable, Product is a solid. |
| Decomposition temperature | Currently under determination |
| pH | Not applicable, Product is non-soluble (in water). |
| Viscosity (kinematic) | Not applicable, Product is a solid. |
| Solubility (qualitative) (20 °C (68 °F); Solvent: Water) | Insoluble |
| Partition coefficient: n-octanol/water | Currently under determination |
| Vapour pressure (20 °C (68 °F)) | < 100 hPa |
| Density (20 °C (68 °F)) | 1,19 g/cm3 QP2107.1; Density |
| Relative vapour density: | Not applicable, Product is a solid. |
| Particle characteristics | Currently under determination |

### 9.2. Other information
Other information not applicable for this product

## SECTION 10: Stability and reactivity

**10.1. Reactivity**
Reacts with water: Pressure built up in closed vessel (CO2).
Reaction with water, alcohols, amines.

**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.

**1.1 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.

| Hazardous substances<br>CAS-No. | Value type | Value | Species | Method |
|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | Acute toxicity estimate (ATE) | > 5.000 mg/kg | | Expert judgement |
| Xylene - mixture of isomeres<br>1330-20-7 | LD50 | 3.523 mg/kg | rat | EU Method B.1 (Acute Toxicity (Oral)) |
| ethylbenzene<br>100-41-4 | LD50 | 3.500 mg/kg | rat | not specified |
| Titanium dioxide<br>13463-67-7 | LD50 | > 5.000 mg/kg | rat | OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | LD50 | > 5.000 mg/kg | rat | OECD Guideline 401 (Acute Oral Toxicity) |
| methylenediphenyl diisocyanate<br>26447-40-5 | LD50 | > 7.616 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: |
| MDI homopolymer<br>25686-28-6 | LD50 | > 5.000 mg/kg | rat | OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure) |

**Acute dermal toxicity:**

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

| Hazardous substances<br>CAS-No. | Value type | Value | Species | Method |
|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | LD50 | > 9.400 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| ethylbenzene<br>100-41-4 | LD50 | 15.433 mg/kg | rabbit | not specified |
| Titanium dioxide<br>13463-67-7 | LD50 | > 10.000 mg/kg | rabbit | not specified |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | LD50 | > 2.200 - 2.500 mg/kg | rabbit | not specified |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | Acute toxicity estimate (ATE) | 2.201 mg/kg | | Expert judgement |
| methylenediphenyl diisocyanate<br>26447-40-5 | LD50 | > 9.400 mg/kg | rabbit | 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) |
| MDI homopolymer<br>25686-28-6 | LD50 | > 9.400 mg/kg | rabbit | equivalent or similar to 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.

| Hazardous substances<br>CAS-No. | Value type | Value | Test atmosphere | Exposure time | Species | Method |
|---|---|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | Acute toxicity estimate (ATE) | 1,5 mg/l | dust/mist | 4 h | | Expert judgement |
| Xylene - mixture of isomeres<br>1330-20-7 | LC50 | 11 mg/l | vapour | 4 h | rat | not specified |
| ethylbenzene<br>100-41-4 | LC50 | 17,2 mg/l | vapour | 4 h | rat | not specified |
| Titanium dioxide<br>13463-67-7 | LC50 | > 6,82 mg/l | dust | 4 h | rat | not specified |

**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 time | Species | Method |
|---|---|---|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | moderately irritating | | rabbit | not specified |
| ethylbenzene<br>100-41-4 | moderately irritating | 24 h | rabbit | not specified |
| Titanium dioxide<br>13463-67-7 | not irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | mildly irritating | | rabbit | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| methylenediphenyl diisocyanate<br>26447-40-5 | highly 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) |
| MDI homopolymer<br>25686-28-6 | irritating | 4 h | 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 time | Species | Method |
|---|---|---|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | slightly irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| ethylbenzene<br>100-41-4 | slightly irritating | | rabbit | not specified |
| Titanium dioxide<br>13463-67-7 | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| methylenediphenyl diisocyanate<br>26447-40-5 | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**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 |
|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | sensitising | Mouse local lymphnode assay (LLNA) | mouse | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | sensitising | Respiratory sensitisation | guinea pig | not specified |
| Xylene - mixture of isomeres<br>1330-20-7 | not sensitising | Mouse local lymphnode assay (LLNA) | mouse | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| Titanium dioxide<br>13463-67-7 | not sensitising | Mouse local lymphnode assay (LLNA) | mouse | equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| Titanium dioxide<br>13463-67-7 | not sensitising | Buehler test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | not sensitising | Guinea pig maximisation test | guinea pig | equivalent or similar to 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 |
| MDI homopolymer<br>25686-28-6 | sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| MDI homopolymer<br>25686-28-6 | sensitising | Respiratory sensitisation | rat | not specified |

**Germ cell mutagenicity:**

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

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene] 59675-67-1 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Xylene - mixture of isomeres 1330-20-7 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Xylene - mixture of isomeres 1330-20-7 | negative | in vitro mammalian chromosome aberration test | with and without | | EU Method B.10 (Mutagenicity) |
| Xylene - mixture of isomeres 1330-20-7 | negative | sister chromatid exchange assay in mammalian cells | with and without | | EU Method B.19 (Sister Chromatid Exchange Assay In Vitro) |
| ethylbenzene 100-41-4 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| ethylbenzene 100-41-4 | negative | in vitro mammalian chromosome aberration test | with and without | | equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| ethylbenzene 100-41-4 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| ethylbenzene 100-41-4 | negative | sister chromatid exchange assay in mammalian cells | with and without | | not specified |
| Titanium dioxide 13463-67-7 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Titanium dioxide 13463-67-7 | negative | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Titanium dioxide 13463-67-7 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Titanium dioxide 13463-67-7 | negative | in vitro mammalian cell micronucleus test | without | | equivalent or similar to OECD Guideline 487 (In vitro Mammalian Cell Micronucleus Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 90622-57-4 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 90622-57-4 | negative | in vitro mammalian chromosome aberration test | with and without | | equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 90622-57-4 | negative | mammalian cell gene mutation assay | with and without | | equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 90622-57-4 | negative | sister chromatid exchange assay in mammalian cells | with and without | | equivalent or similar to OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells) |
| methylenediphenyl diisocyanate 26447-40-5 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | not specified |
| 4,4'- methylenediphenyl diisocyanate 101-68-8 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | EU Method B.13/14 (Mutagenicity) |
| MDI homopolymer 25686-28-6 | negative | bacterial reverse mutation assay (e.g | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation |

| | | | | | |
|---|---|---|---|---|---|
| | | Ames test) | | | Assay) |
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene] 59675-67-1 | negative | inhalation | | rat | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| Xylene - mixture of isomeres 1330-20-7 | negative | intraperitoneal | | rat | OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test) |
| ethylbenzene 100-41-4 | negative | oral: gavage | | mouse | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| ethylbenzene 100-41-4 | negative | inhalation | | mouse | OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo) |
| Titanium dioxide 13463-67-7 | negative | oral: gavage | | rat | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 90622-57-4 | negative | | | mouse | equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 90622-57-4 | negative | | | rat | equivalent or similar to OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test) |
| 4,4'- methylenediphenyl diisocyanate 101-68-8 | negative | inhalation | | rat | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| MDI homopolymer 25686-28-6 | negative | inhalation: aerosol | | rat | OECD Guideline 489 (In Vivo Mammalian Alkaline Comet Assay) |
| MDI homopolymer 25686-28-6 | 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 CAS-No.** | **Result** | **Route of application** | **Exposure time / Frequency of treatment** | **Species** | **Sex** | **Method** |
|---|---|---|---|---|---|---|
| Xylene - mixture of isomeres 1330-20-7 | not carcinogenic | oral: gavage | 103 w 5 d/w | rat | male/female | EU Method B.32 (Carcinogenicity Test) |
| ethylbenzene 100-41-4 | carcinogenic | inhalation: vapour | 104 w 6 h/d, 5 d/w | rat | male/female | equivalent or similar OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| Titanium dioxide 13463-67-7 | not carcinogenic | oral: feed | 103 w daily | rat | male/female | not specified |
| 4,4'- methylenediphenyl diisocyanate 101-68-8 | carcinogenic | inhalation: aerosol | 2 y 6 h/d | rat | male/female | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| MDI homopolymer 25686-28-6 | carcinogenic | inhalation: aerosol | 2 y 6 h/d, 5 d/w | rat | male/female | equivalent or similar OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

**Reproductive toxicity:**

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

| Hazardous substances<br>CAS-No. | Result / Value | Test type | Route of application | Species | Method |
|---|---|---|---|---|---|
| ethylbenzene<br>100-41-4 | NOAEL P 1000 ppm<br><br>NOAEL F1 100 ppm | One generation study | oral: gavage | rat | equivalent or similar to OECD Guideline 415 (One-Generation Reproduction Toxicity Study) |
| ethylbenzene<br>100-41-4 | NOAEL P 500 ppm<br><br>NOAEL F1 500 ppm<br><br>NOAEL F2 500 ppm | Two generation study | inhalation | rat | OECD Guideline 416 (Two-Generation Reproduction Toxicity Study) |
| Titanium dioxide<br>13463-67-7 | NOAEL P >= 1.000 mg/kg<br><br>NOAEL F1 >= 1.000 mg/kg | one-generation study | oral: feed | rat | OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | NOAEL P >= 1.720 mg/kg<br><br>NOAEL F1 >= 1.720 mg/kg | screening | inhalation | rat | OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) |
| MDI homopolymer<br>25686-28-6 | NOAEL P 2.03 mg/m3<br><br>NOAEL F1 2.03 mg/m3 | screening | inhalation | rat | OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

**STOT-single exposure:**

No data available.

**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 application | Exposure time / Frequency of treatment | Species | Method |
|---|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | NOAEL 0,0002 mg/l | inhalation: aerosol | 2 years<br>6 h/d; 5 d/w | rat | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| Xylene - mixture of isomeres<br>1330-20-7 | NOAEL 150 mg/kg | oral: gavage | 90 d<br>daily | rat | OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| ethylbenzene<br>100-41-4 | NOAEL 75 mg/kg | oral: gavage | 28 d<br>daily | rat | OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents) |
| Titanium dioxide<br>13463-67-7 | NOAEL > 1.000 mg/kg | oral: gavage | 92 d<br>daily | rat | OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | NOAEL 5.000 mg/kg | oral: gavage | 13 weeks<br>daily | rat | equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | NOAEL 0,0002 mg/l | inhalation: aerosol | main: 2 y; satellite:1 y<br>6 h/d; 5 d/w | rat | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| MDI homopolymer<br>25686-28-6 | NOAEL 0.2 mg/m3 | inhalation: aerosol | 2 y<br>6 h/d; 5 d/w | rat | equivalent or similar to OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

**Aspiration hazard:**

The mixture is classified based on Viscosity data.

| Hazardous substances<br>CAS-No. | Viscosity (kinematic)<br>Value | Temperature | Method | Remarks |
|---|---|---|---|---|
| ethylbenzene<br>100-41-4 | 0,641 mm2/s | 40 °C | OECD Test Guideline 114 | |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | 0,34 mm2/s | 40 °C | not specified | |

**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.

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | LC50 | > 1.000 mg/l | 96 h | not specified | not specified |
| Xylene - mixture of isomeres<br>1330-20-7 | LC50 | 2,6 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Xylene - mixture of isomeres<br>1330-20-7 | NOEC | > 1,3 mg/l | 56 d | Oncorhynchus mykiss | other guideline: |
| ethylbenzene<br>100-41-4 | LC50 | 4,2 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Titanium dioxide<br>13463-67-7 | LC50 | Toxicity > Water solubility | 48 h | Leuciscus idus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | LL50 | > 1.000 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| methylenediphenyl diisocyanate<br>26447-40-5 | LC50 | > 10.000 mg/l | 96 h | Brachydanio rerio (new name: Danio rerio) | not specified |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | LL50 | > 100 mg/l | 96 h | Danio rerio | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| MDI homopolymer<br>25686-28-6 | LC50 | > 1.000 mg/l | 96 h | Danio rerio | OECD Guideline 203 (Fish, Acute Toxicity Test) |

**Toxicity (Daphnia):**

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

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | EC50 | > 1.000 mg/l | 48 h | not specified | not specified |
| Xylene - mixture of isomeres<br>1330-20-7 | EC50 | 3,1 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| ethylbenzene<br>100-41-4 | EC50 | > 1,8 - 2,4 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Titanium dioxide<br>13463-67-7 | EC50 | Toxicity > Water solubility | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | EL50 | > 1.000 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| methylenediphenyl diisocyanate<br>26447-40-5 | EC50 | > 1.000 mg/l | 24 h | Daphnia magna | not specified |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | EC50 | > 100 mg/l | 48 h | Daphnia magna | EU Method C.2 (Acute Toxicity for Daphnia) |
| MDI homopolymer<br>25686-28-6 | EC50 | 129,7 mg/l | 24 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

**Chronic toxicity to aquatic invertebrates**

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

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | NOEC | 0,96 mg/l | 7 d | Ceriodaphnia dubia | other guideline: |
| ethylbenzene<br>100-41-4 | NOEC | 0,96 mg/l | 7 d | Ceriodaphnia dubia | OECD 211 (Daphnia magna, Reproduction Test) |
| Titanium dioxide<br>13463-67-7 | NOEC | Toxicity > Water solubility | 21 d | Daphnia magna | OECD Guideline 202 (Daphnia sp. Chronic Immobilisation Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | NOELR | > 1 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) |
| MDI homopolymer<br>25686-28-6 | NOEC | 10 mg/l | 21 d | 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.

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | EC50 | > 1.640 mg/l | 72 h | not specified | not specified |
| Xylene - mixture of isomeres<br>1330-20-7 | EC50 | 4,36 mg/l | 73 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Xylene - mixture of isomeres<br>1330-20-7 | EC10 | 1,9 mg/l | 73 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| ethylbenzene<br>100-41-4 | EC50 | 7,7 mg/l | 96 h | Skeletonema costatum | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| ethylbenzene<br>100-41-4 | NOEC | 4,5 mg/l | 96 h | Skeletonema costatum | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Titanium dioxide<br>13463-67-7 | EC50 | Toxicity > Water solubility | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Titanium dioxide<br>13463-67-7 | NOEC | Toxicity > Water solubility | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | EL50 | > 1.000 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | NOELR | 1.000 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| methylenediphenyl diisocyanate<br>26447-40-5 | ErC50 | > 100 mg/l | 72 h | Desmodesmus subspicatus | not specified |
| methylenediphenyl diisocyanate<br>26447-40-5 | NOEC | 1.640 mg/l | 72 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | not specified |
| 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) |
| MDI homopolymer<br>25686-28-6 | EC50 | > 1.640 mg/l | 72 h | Desmodesmus subspicatus | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| MDI homopolymer<br>25686-28-6 | NOEC | 1.640 mg/l | 72 h | Desmodesmus subspicatus | OECD Guideline 201 (Alga, Growth Inhibition Test) |

**Toxicity to microorganisms**

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

| Hazardous substances<br>CAS-No. | Value type | Value | Exposure time | Species | Method |
|---|---|---|---|---|---|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]<br>59675-67-1 | IC50 | > 100 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| ethylbenzene<br>100-41-4 | EC50 | > 152 mg/l | 30 min | not specified | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Titanium dioxide<br>13463-67-7 | EC0 | Toxicity > Water solubility | 24 h | Pseudomonas fluorescens | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test) |
| methylenediphenyl diisocyanate<br>26447-40-5 | EC50 | > 100 mg/l | 3 h | | 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) |
| MDI homopolymer<br>25686-28-6 | EC50 | > 100 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

### 12.2. Persistence and degradability

| Hazardous substances<br>CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|---|---|---|---|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | readily biodegradable | aerobic | 90 % | 28 d | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| ethylbenzene<br>100-41-4 | readily biodegradable | aerobic | 69 % | 33 d | OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I)) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | not readily biodegradable. | aerobic | 31,3 % | 28 d | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | inherently biodegradable | aerobic | 72 % | 60 day | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| methylenediphenyl diisocyanate<br>26447-40-5 | not inherently biodegradable | aerobic | 0 % | 28 day | OECD Guideline 302 C (Inherent Biodegradability: Modified MITI Test (II)) |
| methylenediphenyl diisocyanate<br>26447-40-5 | 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) |
| MDI homopolymer<br>25686-28-6 | not readily biodegradable. | aerobic | > 0 - < 60 % | 28 d | OECD 301 A - F |
| MDI homopolymer<br>25686-28-6 | not inherently biodegradable | aerobic | 0 % | 28 d | OECD Guideline 302 C (Inherent Biodegradability: Modified MITI Test (II)) |

### 12.3. Bioaccumulative potential

| Hazardous substances<br>CAS-No. | Bioconcentration factor (BCF) | Exposure time | Temperature | Species | Method |
|---|---|---|---|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | 25,9 | 56 d | | Oncorhynchus mykiss | not specified |
| ethylbenzene<br>100-41-4 | 1 | 42 d | 10 °C | Oncorhynchus kisutch | OECD Guideline 305 (Bioconcentration: Flow-through Fish Test) |
| methylenediphenyl diisocyanate<br>26447-40-5 | < 1 | 112 d | | Oncorhynchus mykiss | not specified |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | 92 - 200 | 28 d | | Cyprinus carpio | OECD Guideline 305 E (Bioaccumulation: Flow-through Fish Test) |
| MDI homopolymer<br>25686-28-6 | > 92 - 200 | 28 d | | Cyprinus carpio | OECD Guideline 305 E (Bioaccumulation: Flow-through Fish Test) |

### 12.4. Mobility in soil

| Hazardous substances<br>CAS-No. | LogPow | Temperature | Method |
|---|---|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | 3,16 | 20 °C | not specified |
| ethylbenzene<br>100-41-4 | 3,6 | 20 °C | EU Method A.8 (Partition Coefficient) |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | 4,51 | 22 °C | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method) |

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

| Hazardous substances<br>CAS-No. | PBT / vPvB |
|---|---|
| Xylene - mixture of isomeres<br>1330-20-7 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| ethylbenzene<br>100-41-4 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Titanium dioxide<br>13463-67-7 | According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances. |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| methylenediphenyl diisocyanate<br>26447-40-5 | Not fulfilling very Persistent and very Bioaccumulative (vPvB) criteria |
| 4,4'- methylenediphenyl diisocyanate<br>101-68-8 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| MDI homopolymer<br>25686-28-6 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**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 1005/2009): | 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) | 12,2 % |

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

| | |
|---|---|
| Product (sub)category: | This product is not a subject of the Directive 2004/42/EC |
| max. VOC content: | 70 g/l |

**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:

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
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.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

| | |
|---|---|
| ED: | Substance identified as having endocrine disrupting properties |
| EU OEL: | Substance with a Union workplace exposure limit |
| EU EXPLD 1: | Substance listed in Annex I, Reg (EC) No. 2019/1148 |
| EU EXPLD 2 | Substance listed in Annex II, Reg (EC) No. 2019/1148 |
| SVHC: | Substance of very high concern (REACH Candidate List) |
| PBT: | Substance fulfilling persistent, bioaccumulative and toxic criteria |
| PBT/vPvB: | Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria |
| vPvB: | Substance fulfilling very persistent and very bioaccumulative criteria |

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