



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

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TEROSON PU 92 WH CR310ML M & M

SDS No. : 180161  
V010.0

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

#### 1.1. Product identifier

TEROSON PU 92 WH CR310ML M & M

#### 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  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000

Fax-no.: +44 1442 278071

ua-productsafety.uk@henkel.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):

Respiratory sensitizer

Category 1

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



##### Contains

Diphenylmethane diisocyanate, isomers and homologues

##### Signal word:

Danger

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<b>Hazard statement:</b>	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Precautionary statement: Prevention</b>	P261 Avoid breathing mist/vapours. P280 Wear protective gloves.
<b>Precautionary statement: Response</b>	P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

### 2.3. Other hazards

Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General chemical description:

1-Component moisture-curing sealant

#### Base substances of preparation:

PUR polymer

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Xylene - mixture of isomeres 1330-20-7	215-535-7 01-2119488216-32	1- < 5 %	Asp. Tox. 1 H304 Acute Tox. 4; Inhalation H332 Acute Tox. 4; Dermal H312 Skin Irrit. 2 H315 Flam. Liq. 3 H226 Eye Irrit. 2 H319 STOT SE 3 H335 STOT RE 2 H373
Ethylbenzene 100-41-4	202-849-4 01-2119489370-35	1- < 5 %	Flam. Liq. 2 H225 Acute Tox. 4 H332 Asp. Tox. 1 H304 STOT RE 2 H373 Aquatic Chronic 3 H412 Eye Irrit. 2 H319 STOT SE 3 H335 STOT SE 3 H336
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	918-167-1 01-2119472146-39	1- < 3 %	Aquatic Chronic 4 H413 Asp. Tox. 1 H304 Flam. Liq. 3 H226
Methylenediphenyl diisocyanate 26447-40-5	247-714-0	0,1- < 1 %	Acute Tox. 4; Inhalation H332 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Carc. 2 H351 STOT RE 2 H373 STOT SE 3 H335 Resp. Sens. 1 H334 Skin Sens. 1 H317
MDI homopolymer 25686-28-6	500-040-3 500-040-3 01-2119457013-49	0,1- < 1 %	Acute Tox. 4 H332 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Resp. Sens. 1 H334 Skin Sens. 1 H317 STOT SE 3 H335 Carc. 2 H351 STOT RE 2; Inhalation H373
4,4'- methylenediphenyl diisocyanate 101-68-8	202-966-0 01-2119457014-47	0,1- < 1 %	Carc. 2 H351 Acute Tox. 4; Inhalation H332

			STOT RE 2 H373 Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315 Resp. Sens. 1 H334 Skin Sens. 1B H317
Dibutyltin dilaurate 77-58-7	201-039-8 01-2119496068-27	0,1- < 0,3 %	Acute Tox. 4 H302 Skin Corr. 1C H314 Skin Sens. 1 H317 Muta. 2 H341 Repr. 1B H360FD STOT SE 1 H370 STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

**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:**

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

**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**

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

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

An allergic reaction cannot be excluded after repeated skin contact.

**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.

**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

<b>SECTION 8: Exposure controls/personal protection</b>
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**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
Polyvinyl chloride 9002-86-2 [POLYVINYL CHLORIDE, INHALABLE DUST]		10	Time Weighted Average (TWA):		EH40 WEL
Polyvinyl chloride 9002-86-2 [POLYVINYL CHLORIDE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		EH40 WEL
Limestone 1317-65-3 [CALCIUM CARBONATE, INHALABLE DUST]		10	Time Weighted Average (TWA):		EH40 WEL
Limestone 1317-65-3 [CALCIUM CARBONATE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		EH40 WEL
Limestone 1317-65-3 [LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE]		4	Time Weighted Average (TWA):		EH40 WEL
Limestone 1317-65-3 [LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE]		10	Time Weighted Average (TWA):		EH40 WEL
Xylene 1330-20-7 [XYLENE, O-, M-, P- OR MIXED ISOMERS]	100	441	Short Term Exposure Limit (STEL):		EH40 WEL
Xylene 1330-20-7 [XYLENE, O-, M-, P- OR MIXED ISOMERS]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
Xylene 1330-20-7 [XYLENE, O-, M-, P- OR MIXED ISOMERS]	50	220	Time Weighted Average (TWA):		EH40 WEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	50	221	Time Weighted Average (TWA):	Indicative	ECTLV
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	100	442	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Di-"isononyl" phthalate 28553-12-0 [DIISONONYL PHTHALATE]		5	Time Weighted Average (TWA):		EH40 WEL
Ethylbenzene 100-41-4 [ETHYLBENZENE]	125	552	Short Term Exposure Limit (STEL):		EH40 WEL
Ethylbenzene 100-41-4 [ETHYLBENZENE]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
Ethylbenzene 100-41-4 [ETHYLBENZENE]	100	441	Time Weighted Average (TWA):		EH40 WEL
Ethylbenzene 100-41-4 [ETHYLBENZENE]	100	442	Time Weighted Average (TWA):	Indicative	ECTLV
Ethylbenzene 100-41-4 [ETHYLBENZENE]	200	884	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Titanium dioxide 13463-67-7		10	Time Weighted Average (TWA):		EH40 WEL

[TITANIUM DIOXIDE, TOTAL INHALABLE]					
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, RESPIRABLE]		4	Time Weighted Average (TWA):		EH40 WEL
Methylenediphenyl diisocyanate 26447-40-5 [ISOCYANATES, ALL (AS -NCO)]		0,07	Short Term Exposure Limit (STEL):		EH40 WEL
Methylenediphenyl diisocyanate 26447-40-5 [ISOCYANATES, ALL (AS -NCO)]		0,02	Time Weighted Average (TWA):		EH40 WEL
4,4'-Methylenediphenyl diisocyanate 101-68-8 [ISOCYANATES, ALL (AS -NCO)]		0,07	Short Term Exposure Limit (STEL):		EH40 WEL
4,4'-Methylenediphenyl diisocyanate 101-68-8 [ISOCYANATES, ALL (AS -NCO)]		0,02	Time Weighted Average (TWA):		EH40 WEL
Dibutyltin dilaurate 77-58-7 [TIN COMPOUNDS, ORGANIC, EXCEPT CYHEXATIN (ISO), (AS SN)]		0,1	Time Weighted Average (TWA):		EH40 WEL
Dibutyltin dilaurate 77-58-7 [TIN COMPOUNDS, ORGANIC, EXCEPT CYHEXATIN (ISO), (AS SN)]		0,2	Short Term Exposure Limit (STEL):		EH40 WEL
Dibutyltin dilaurate 77-58-7 [TIN COMPOUNDS, ORGANIC, EXCEPT CYHEXATIN (ISO), (AS SN)]			Skin designation:	Can be absorbed through the skin.	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
Polyvinyl chloride 9002-86-2 [POLYVINYL CHLORIDE (PVC), RESPIRABLE DUST]		1	Time Weighted Average (TWA):		IR_OEL
Polyvinyl chloride 9002-86-2 [POLYVINYL CHLORIDE (PVC), TOTAL INHALABLE DUST]		10	Time Weighted Average (TWA):		IR_OEL
Limestone 1317-65-3 [CALCIUM CARBONATE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		IR_OEL
Limestone 1317-65-3 [CALCIUM CARBONATE, TOTAL INHALABLE DUST]		10	Time Weighted Average (TWA):		IR_OEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS]			Skin designation:	Can be absorbed through the skin.	IR_OEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS]	50	221	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	50	221	Time Weighted Average (TWA):	Indicative	ECTLV
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	100	442	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS]	100	442	Short Term Exposure Limit (STEL):	15 minutes Indicative OELV	IR_OEL
Di-"isononyl" phthalate 28553-12-0 [DIISONONYL PHTHALATE]		5	Time Weighted Average (TWA):		IR_OEL
Ethylbenzene 100-41-4 [ETHYLBENZENE]	100	442	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Ethylbenzene			Skin designation:	Can be absorbed through the	IR_OEL

100-41-4 [ETHYLBENZENE]				skin.	
Ethylbenzene 100-41-4 [ETHYLBENZENE]	100	442	Time Weighted Average (TWA):	Indicative	ECLTV
Ethylbenzene 100-41-4 [ETHYLBENZENE]	200	884	Short Term Exposure Limit (STEL):	Indicative	ECLTV
Ethylbenzene 100-41-4 [ETHYLBENZENE]	200	884	Short Term Exposure Limit (STEL):	15 minutes Indicative OELV	IR_OEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, RESPIRABLE DUST]		4	Time Weighted Average (TWA):		IR_OEL
Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, TOTAL INHALABLE DUST]		10	Time Weighted Average (TWA):		IR_OEL
Methylenediphenyl diisocyanate 26447-40-5 [ISOCYANATES (ALL, AS -NCO)]		0,02	Time Weighted Average (TWA):		IR_OEL
Methylenediphenyl diisocyanate 26447-40-5 [ISOCYANATES (ALL, AS -NCO)]		0,07	Short Term Exposure Limit (STEL):	15 minutes	IR_OEL
4,4'-Methylenediphenyl diisocyanate 101-68-8 [4,4'-METHYLENE-DIPHENYL DIISOCYANATE (AS -NCO)]	0,005		Time Weighted Average (TWA):		IR_OEL
Dibutyltin dilaurate 77-58-7 [TIN ORGANIC COMPOUNDS, (AS SN)]		0,1	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Dibutyltin dilaurate 77-58-7 [TIN ORGANIC COMPOUNDS, (AS SN)]		0,2	Short Term Exposure Limit (STEL):	15 minutes Indicative OELV	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 isomers 1330-20-7	aqua (freshwater)		0,327 mg/l				
Xylene - mixture of isomers 1330-20-7	sediment (freshwater)				12,46 mg/kg		
Xylene - mixture of isomers 1330-20-7	Soil				2,31 mg/kg		
Xylene - mixture of isomers 1330-20-7	aqua (marine water)		0,327 mg/l				
Xylene - mixture of isomers 1330-20-7	aqua (intermittent releases)		0,327 mg/l				
Xylene - mixture of isomers 1330-20-7	sewage treatment plant (STP)		6,58 mg/l				
Xylene - mixture of isomers 1330-20-7	sediment (marine water)				12,46 mg/kg		
Ethylbenzene 100-41-4	aqua (intermittent releases)		0,1 mg/l				
Ethylbenzene 100-41-4	aqua (freshwater)		0,1 mg/l				
Ethylbenzene 100-41-4	sediment (marine water)				1,37 mg/kg		
Ethylbenzene 100-41-4	sediment (freshwater)				13,7 mg/kg		
Ethylbenzene 100-41-4	sewage treatment plant (STP)		9,6 mg/l				
Ethylbenzene 100-41-4	aqua (marine water)		0,01 mg/l				
Ethylbenzene 100-41-4	Soil				2,68 mg/kg		
Ethylbenzene 100-41-4	oral				20 mg/kg		
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	aqua (freshwater)		1 mg/l				
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	aqua (marine water)		0,1 mg/l				
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	Soil				1 mg/kg		
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	sewage treatment plant (STP)		1 mg/l				
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	aqua (intermittent releases)		10 mg/l				
4,4'- methylenediphenyl diisocyanate 101-68-8	aqua (freshwater)		1 mg/l				
4,4'- methylenediphenyl diisocyanate 101-68-8	aqua (marine water)		0,1 mg/l				
4,4'- methylenediphenyl diisocyanate 101-68-8	Soil				1 mg/kg		
4,4'- methylenediphenyl diisocyanate 101-68-8	sewage treatment plant (STP)		1 mg/l				
4,4'- methylenediphenyl diisocyanate 101-68-8	Air						
4,4'- methylenediphenyl diisocyanate 101-68-8	Predator						
4,4'- methylenediphenyl diisocyanate 101-68-8	aqua (intermittent releases)		10 mg/l				
Dibutyltin dilaurate 77-58-7	aqua (freshwater)		0,000463 mg/l				
Dibutyltin dilaurate 77-58-7	aqua (marine water)		0,000046 mg/l				

Dibutyltin dilaurate 77-58-7	aqua (intermittent releases)		0,005 mg/l				
Dibutyltin dilaurate 77-58-7	sewage treatment plant (STP)		100 mg/l				
Dibutyltin dilaurate 77-58-7	sediment (freshwater)				0,05 mg/kg		
Dibutyltin dilaurate 77-58-7	sediment (marine water)				0,005 mg/kg		
Dibutyltin dilaurate 77-58-7	Soil				0,0407 mg/kg		
Dibutyltin dilaurate 77-58-7	oral				0,2 mg/kg		

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

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Xylene - mixture of isomers 1330-20-7	Workers	inhalation	Long term exposure - systemic effects		221 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	Workers	inhalation	Acute/short term exposure - systemic effects		442 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	Workers	inhalation	Long term exposure - local effects		221 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	Workers	inhalation	Acute/short term exposure - local effects		442 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	Workers	dermal	Long term exposure - systemic effects		212 mg/kg	
Xylene - mixture of isomers 1330-20-7	General population	inhalation	Long term exposure - systemic effects		65,3 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	General population	inhalation	Acute/short term exposure - systemic effects		260 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	General population	inhalation	Long term exposure - local effects		65,3 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	General population	inhalation	Acute/short term exposure - local effects		260 mg/m <sup>3</sup>	
Xylene - mixture of isomers 1330-20-7	General population	dermal	Long term exposure - systemic effects		125 mg/kg	
Xylene - mixture of isomers 1330-20-7	General population	oral	Long term exposure - systemic effects		12,5 mg/kg	
Ethylbenzene 100-41-4	Workers	inhalation	Acute/short term exposure - local effects		293 mg/m <sup>3</sup>	
Ethylbenzene 100-41-4	General population	inhalation	Long term exposure - systemic effects		15 mg/m <sup>3</sup>	
Ethylbenzene 100-41-4	General population	oral	Long term exposure - systemic effects		1,6 mg/kg	
Ethylbenzene 100-41-4	Workers	dermal	Long term exposure - systemic effects		180 mg/kg	
Ethylbenzene 100-41-4	Workers	inhalation	Long term exposure - systemic effects		77 mg/m <sup>3</sup>	
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	Workers	inhalation	Long term exposure - local effects		0,05 mg/m <sup>3</sup>	
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	Workers	inhalation	Acute/short term exposure - local effects		0,1 mg/m <sup>3</sup>	
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	General population	inhalation	Long term exposure - local effects		0,025 mg/m <sup>3</sup>	
4,4'-Methylenediphenyl diisocyanate, homopolymer 25686-28-6	General population	inhalation	Acute/short term exposure - local effects		0,05 mg/m <sup>3</sup>	
4,4'- methylenediphenyl diisocyanate 101-68-8	Workers	inhalation	Long term exposure - local effects		0,05 mg/m <sup>3</sup>	
4,4'- methylenediphenyl diisocyanate 101-68-8	Workers	inhalation	Acute/short term exposure - local effects		0,1 mg/m <sup>3</sup>	
4,4'- methylenediphenyl diisocyanate 101-68-8	General population	inhalation	Long term exposure - local effects		0,025 mg/m <sup>3</sup>	
4,4'- methylenediphenyl diisocyanate 101-68-8	General population	inhalation	Acute/short term exposure - local effects		0,05 mg/m <sup>3</sup>	

			effects			
Dibutyltin dilaurate 77-58-7	Workers	dermal	Acute/short term exposure - systemic effects		2,08 mg/kg	
Dibutyltin dilaurate 77-58-7	Workers	Dermal	Long term exposure - systemic effects		0,43 mg/kg	
Dibutyltin dilaurate 77-58-7	Workers	inhalation	Long term exposure - systemic effects		0,02 mg/m3	
Dibutyltin dilaurate 77-58-7	General population	dermal	Acute/short term exposure - systemic effects		0,5 mg/kg	
Dibutyltin dilaurate 77-58-7	General population	inhalation	Acute/short term exposure - systemic effects		0,04 mg/m3	
Dibutyltin dilaurate 77-58-7	General population	oral	Acute/short term exposure - systemic effects		0,02 mg/kg	
Dibutyltin dilaurate 77-58-7	General population	dermal	Long term exposure - systemic effects		0,16 mg/kg	
Dibutyltin dilaurate 77-58-7	General population	inhalation	Long term exposure - systemic effects		0,005 mg/m3	
Dibutyltin dilaurate 77-58-7	General population	oral	Long term exposure - systemic effects		0,003 mg/kg	

### Biological Exposure Indices:

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Xylene 1330-20-7 [XYLENE O-, M-, P-, OR MIXED ISOMERS]	Methylhippuric acids	Creatinine in urine	Sampling time: End of shift.		UKEH40BMG V		
Methylenediphenyl diisocyanate 26447-40-5 [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 101-68-8 [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.

#### Respiratory protection:

In case of dust formation, we recommend wearing of appropriate respiratory protection equipment with particle filter P (EN 14387).

This recommendation should be matched to local conditions.

#### 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;  $\geq$  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;  $\geq$  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).  
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

Appearance	solid material pasty white
Odor	of solvent
Odour threshold	No data available / Not applicable
pH	Not available.
Melting point	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	Not available.
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	
lower	0,1 % (V)
upper	7,6 % (V)
Vapour pressure (20 °C (68 °F))	< 100 hPa
Relative vapour density:	No data available / Not applicable
Density (20 °C (68 °F))	1,19 g/cm <sup>3</sup>
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Oxidising properties	No data available / Not applicable

### 9.2. Other information

Ignition temperature	> 200 °C (> 392 °F)
max. VOC content:	70 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

Hydrogen chloride.

nitrogen oxides

Sulphur oxides

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

Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

**11.1. Information on toxicological effects****Acute oral toxicity:**

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

Hazardous substances CAS-No.	Value type	Value	Species	Method
Xylene - mixture of isomeres 1330-20-7	LD50	3.523 mg/kg	rat	EU Method B.1 (Acute Toxicity (Oral))
Ethylbenzene 100-41-4	LD50	3.500 mg/kg	rat	not specified
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	LD50	> 5.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Methylenediphenyl diisocyanate 26447-40-5	LD50	> 2.000 mg/kg	rat	not specified
MDI homopolymer 25686-28-6	LD50	> 5.000 mg/kg	rat	OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
4,4'- methylenediphenyl diisocyanate 101-68-8	LD50	> 2.000 mg/kg	rat	other guideline:
Dibutyltin dilaurate 77-58-7	Acute toxicity estimate (ATE)	500 mg/kg		Expert judgement
Dibutyltin dilaurate 77-58-7	LD50	500 - 2.000 mg/kg	rat	

**Acute dermal toxicity:**

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

Hazardous substances CAS-No.	Value type	Value	Species	Method
Xylene - mixture of isomeres 1330-20-7	LD50	1.700 mg/kg	rabbit	not specified
Ethylbenzene 100-41-4	LD50	15.433 mg/kg	rabbit	not specified
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	LD50	> 2.000 mg/kg	rabbit	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
Methylenediphenyl diisocyanate 26447-40-5	LD50	> 6.200 mg/kg	rabbit	not specified
MDI homopolymer 25686-28-6	LD50	> 9.400 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
4,4'- methylenediphenyl diisocyanate 101-68-8	LD50	> 9.400 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Dibutyltin dilaurate 77-58-7	LD50	> 2,000 mg/kg	rat	not specified

**Acute inhalative toxicity:**

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

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	LC50	11 mg/l	vapour	4 h	rat	not specified
Ethylbenzene 100-41-4	LC50	17,2 mg/l	vapour	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 CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	moderately irritating		rabbit	not specified
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	mildly irritating		rabbit	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Methylenediphenyl diisocyanate 26447-40-5	highly irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
4,4'- methylenediphenyl diisocyanate 101-68-8	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Dibutyltin dilaurate 77-58-7	corrosive	24 h	rat	other guideline:

**Serious eye damage/irritation:**

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

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Methylenediphenyl diisocyanate 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 CAS-No.	Result	Test type	Species	Method
Xylene - mixture of isomeres 1330-20-7	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
4,4'- methylenediphenyl diisocyanate 101-68-8	sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Dibutyltin dilaurate 77-58-7	Sensitizing	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)



**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
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	sister chromatid exchange assay in mammalian cells	with and without		not specified
Ethylbenzene 100-41-4	negative	in vitro mammalian chromosome aberration test	with and without		not specified
Ethylbenzene 100-41-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	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 246538-76-1	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	negative	sister chromatid exchange assay in mammalian cells	with and without		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)

**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)
MDI homopolymer 25686-28-6	carcinogenic	inhalation: aerosol	2 y 6 h/d	rat	male/female	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
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)

**Reproductive toxicity:**

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

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	NOAEL P >= 1.720 mg/kg NOAEL F1 >= 1.720 mg/kg	screening	inhalation	rat	OECD Guideline 421 (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 CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Xylene - mixture of isomeres 1330-20-7	NOAEL 150 mg/kg	oral: gavage	90 d daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Ethylbenzene 100-41-4		inhalation	4weeks 6 hours/day, 5 days/week	mouse	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	NOAEL >= 3.000 mg/kg	oral: unspecified	90 d	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	NOAEL >= 1.000 mg/kg	oral: unspecified		rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
MDI homopolymer 25686-28-6		inhalation: aerosol	2 y (main); 1 y (satellite) 6 h/d; 5 d/w	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
4,4'- methylenediphenyl diisocyanate 101-68-8		inhalation: aerosol	main: 2 y; satellite:1 y 6 h/d; 5 d/w	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Dibutyltin dilaurate 77-58-7	NOAEL 40 ppm	oral: feed	90 days daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

**Aspiration hazard:**

The mixture is classified based on Viscosity data.

Hazardous substances CAS-No.	Viscosity (kinematic) Value	Temperature	Method	Remarks
Ethylbenzene 100-41-4	0,641 mm <sup>2</sup> /s	40 °C	OECD Test Guideline 114	
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	0,34 mm <sup>2</sup> /s	40 °C	not specified	

## 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 CAS-No.	Value type	Value	Exposure time	Species	Method
Xylene - mixture of isomers 1330-20-7	LC50	2,6 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Ethylbenzene 100-41-4	LC50	4,2 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	LL50		96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Methylenediphenyl diisocyanate 26447-40-5	LC50	> 10.000 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	not specified
MDI homopolymer 25686-28-6	LC50	> 1.000 mg/l	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
4,4'- methylenediphenyl diisocyanate 101-68-8	LC50	> 1.000 mg/l	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dibutyltin dilaurate 77-58-7	LC50	3,1 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 CAS-No.	Value type	Value	Exposure time	Species	Method
Xylene - mixture of isomers 1330-20-7	EC50	3,1 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethylbenzene 100-41-4	EC50	> 1,8 - 2,4 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	EL50		48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Methylenediphenyl diisocyanate 26447-40-5	EC50	> 750 mg/l	24 h	Daphnia pulex	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
4,4'- methylenediphenyl diisocyanate 101-68-8	EC50	129,7 mg/l	24 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dibutyltin dilaurate 77-58-7	EC50	< 0,463 mg/l	48 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 CAS-No.	Value type	Value	Exposure time	Species	Method
Ethylbenzene 100-41-4	NOEC	0,96 mg/l	7 d	Ceriodaphnia dubia	OECD 211 (Daphnia magna, Reproduction Test)
4,4'- methylenediphenyl diisocyanate 101-68-8	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 CAS-No.	Value type	Value	Exposure time	Species	Method
Xylene - mixture of isomers 1330-20-7	ErC50	4,36 mg/l	73 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Xylene - mixture of isomers 1330-20-7	EC10	1,9 mg/l	73 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethylbenzene 100-41-4	EC50	7,7 mg/l	96 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethylbenzene 100-41-4	NOEC	4,5 mg/l	96 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	EL50		72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 246538-76-1	NOELR		72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
4,4'- methylenediphenyl diisocyanate 101-68-8	EC50	> 1.640 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
4,4'- methylenediphenyl diisocyanate 101-68-8	NOELR	1.640 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Dibutyltin dilaurate 77-58-7	IC50	> 3 mg/l	72 h	Scenedesmus subspicatus (new name: 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 CAS-No.	Value type	Value	Exposure time	Species	Method
Xylene - mixture of isomers 1330-20-7	EC 50	> 1 - 10 mg/l			not specified
Ethylbenzene 100-41-4	EC 50	> 152 mg/l	30 min	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Methylenediphenyl diisocyanate 26447-40-5	EC 50	> 100 mg/l	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
4,4'- methylenediphenyl diisocyanate 101-68-8	EC50	> 100 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Dibutyltin dilaurate 77-58-7	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

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Xylene - mixture of isomers 1330-20-7	readily biodegradable	aerobic	90 %	28 day	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Ethylbenzene 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 246538-76-1	not readily biodegradable.	aerobic	31,3 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Methylenediphenyl diisocyanate 26447-40-5	not inherently biodegradable	aerobic	0 %	28 day	OECD Guideline 302 C (Inherent Biodegradability: Modified MITI Test (II))
MDI homopolymer 25686-28-6	not readily biodegradable.	aerobic	> 0 - < 60 %	28 d	OECD 301 A - F
4,4'- methylenediphenyl diisocyanate 101-68-8	not readily biodegradable.	aerobic	0 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Dibutyltin dilaurate 77-58-7	not readily biodegradable.	anaerobic	23 %	39 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

**12.3. Bioaccumulative potential**

Hazardous substances CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
Xylene - mixture of isomers 1330-20-7	25,9	56 day		Oncorhynchus mykiss	not specified
Ethylbenzene 100-41-4	1	42 d	10 °C	Oncorhynchus kisutch	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
4,4'- methylenediphenyl diisocyanate 101-68-8	92 - 200	28 d		Cyprinus carpio	OECD Guideline 305 E (Bioaccumulation: Flow-through Fish Test)
Dibutyltin dilaurate 77-58-7	31 - 155			Cyprinus carpio	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)

**12.4. Mobility in soil**

Hazardous substances CAS-No.	LogPow	Temperature	Method
Xylene - mixture of isomers 1330-20-7	3,16	20 °C	
Ethylbenzene 100-41-4	3,6	20 °C	EU Method A.8 (Partition Coefficient)
4,4'- methylenediphenyl diisocyanate 101-68-8	4,51	22 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Dibutyltin dilaurate 77-58-7	4,44	20,8 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

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

Hazardous substances CAS-No.	PBT / vPvB
Xylene - mixture of isomers 1330-20-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Ethylbenzene 100-41-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Methylenediphenyl diisocyanate 26447-40-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
MDI homopolymer 25686-28-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
4,4'- methylenediphenyl diisocyanate 101-68-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Dibutyltin dilaurate 77-58-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**12.6. 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.

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<b>SECTION 14: Transport information</b>
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**14.1. UN 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. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

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

VOC content (VOCV 814.018 VOC regulation CH)	12 %
VOC content (2010/75/EU)	12 %

**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 not 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 vapor.  
H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
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.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H360FD May damage fertility. May damage the unborn child.  
H370 Causes damage to organs.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.

**Further information:**

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