

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
This SDS is for generic information purposes and does not reflect required country specific
information for OEL

**ZW PU 50FC GRAY** 

**Supercedes Date:** 02-Jun-2020

Revision date 17-Dec-2020 Revision Number 2

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

#### 1.1. Product Identifier

Product Name ZW PU 50FC GRAY

Pure substance/mixture Mixture

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

Recommended use Sealant.
Uses advised against None known.

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

## **Company Name**

Den Braven France SARL Z.I. du Meux - B.P. 20114 60881 Le Meux Cedex France

Tel: + 33 344 91 68 68

E-mail address SDS.box-EU@bostik.com

## 1.4. Emergency telephone number

Emergency Telephone No information available

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Not classified

## 2.2. Label Elements

Not classified

## Signal word

None

#### **Hazard statements**

Not classified

## **EU Specific Hazard Statements**

EUH208 - Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction

EUH210 - Safety data sheet available on request

EUH212 - Warning! Hazardous respirable dust may be formed when used. Do not breathe dust

EUH204 - Contains isocyanates. May produce an allergic reaction

## 2.3. Other Hazards

No information available

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#### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## **SECTION 3: Composition/information on ingredients**

## 3.1 Substances

Not applicable

## 3.2 Mixtures

Chemical name	EC No.	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	, ,	REACH Registration Number
Xylene (reaction mass of ethylbenzene and xylene)	905-588-0	RR-45541-4	5 - <10	STOT SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Flam Liq. 3 (H226) Aquatic Chronic 3 (H412)	STOT RE 2 (H373):: C>=10%	01-2119488216- 32-xxxx
Titanium dioxide	236-675-5	13463-67-7	1 - <5	Carc. 2 (H351i)		01-2119489379- 17-XXXX
Aromatic Polyisocyanate	-	53317-61-6	0.1- <1	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)		[7]
Reaction mass of Bis(1,2,2,6,6-pentameth yl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	915-687-0	1065336-91- 5	0.01 - <0.1	Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		01-2119491304- 40-XXXX
4,4'-Methylenediphenyl diisocyanate	202-966-0	101-68-8	0.01 - <0.1	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Carc. 2 (H351) STOT SE 3	STOT SE 3 :: C>=5% Skin Irrit. 2 :: C>=5% Eye Irrit. 2 :: C>=5% Resp. Sens. 1 :: C>=0.1%	01-2119457014- 47-XXXX

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				(H335) STOT RE 2 (H373)		
Toluene diisocyanate	247-722-4	26471-62-5	0.01 - <0.05	Acute Tox. 1 (H330) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Carc. 2 (H351) STOT SE 3 (H335) Aquatic Chronic 3 (H412)	Resp. Sens. 1 :: C>=0.1%	01-2119454791- 34-XXXX

NOTE [7] - No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration

### Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

General advice If medical advice is needed, have product container or label at hand. Show this safety

data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper Eye contact

eyelids. Consult a doctor.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

Ingestion Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never

give anything by mouth to an unconscious person.

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

**Symptoms** Prolonged contact may cause redness and irritation.

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

Note to doctors Treat symptomatically.

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

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Unsuitable extinguishing media Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Thermal decomposition can lead to release of toxic and corrosive gases/vapours.

**Hazardous combustion products** 

Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons. Nitrogen oxides (NOx).

Aldehydes. Hydrochloric acid. Sulphur oxides.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

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

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.

**Other information** Ventilate the area. Prevent further leakage or spillage if safe to do so.

6.2. Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system. Do not allow to enter into

soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

**Methods for containment**Do not scatter spilled material with high pressure water streams.

**Methods for cleaning up**Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Use personal protective equipment as required. Avoid

contact with skin, eyes or clothing.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink

or smoke when using this product. Wash thoroughly after handling. Take off all

contaminated clothing and wash it before reuse.

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

Storage Conditions Protect from moisture.

7.3. Specific end use(s)

Specific Use(s)

Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

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Other information Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

## **Exposure Limits**

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	European Union
Xylene (reaction mass of ethylbenzene and xylene)	TWA: 50 ppm
RR-45541-4	TWA: 221 mg/m <sup>3</sup>
	STEL: 100 ppm
	STEL: 442 mg/m <sup>3</sup>
	S*

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)  Xylene (reaction mass of ethylbenzene and xylene) (RR-45541-4)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Long term Systemic health effects	Inhalation	221 mg/m³		
worker Long term Local health effects	Inhalation	221 mg/m³		
worker Short term Local health effects	Inhalation	442 mg/m³		
worker Long term Systemic health effects	Dermal	212 mg/kg bw/d		

Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	-
worker	Inhalation	10 mg/m <sup>3</sup>	
Long term		_	
Local health effects			

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)					
4,4'-Methylenediphenyl diiso	ocyanate (101-68-8)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Short term Systemic health effects	Dermal	50 mg/kg bw/d			
worker Short term Systemic health effects	Inhalation	0.1 mg/m <sup>3</sup>			
worker Short term Local health effects	Dermal	28700 μg/cm²			
worker	Inhalation	0.1 mg/m³			

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Short term Local health effects			
worker Long term Systemic health effects	Inhalation	0.05 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	0.05 mg/m³	

Toluene diisocyanate (26471	1-62-5)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	0.035 mg/m³	
worker Short term Systemic health effects	Inhalation	0.14 mg/m³	
worker Long term Local health effects	Inhalation	0.035 mg/m³	
worker Short term Local health effects	Inhalation	0.14 mg/m³	

Derived No Effect Level (DNEL)						
	Xylene (reaction mass of ethylbenzene and xylene) (RR-45541-4)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor			
Consumer Long term Systemic health effects	Inhalation	65.3 mg/m³				
Consumer Short term Systemic health effects	Inhalation	260 mg/m³				
Consumer Long term Local health effects	Inhalation	65.3 mg/m <sup>3</sup>				
Consumer Short term Local health effects	Inhalation	260 mg/m³				
Consumer Long term Systemic health effects	Dermal	125 mg/kg bw/d				
Consumer Long term Systemic health effects	Oral	12.5 mg/kg bw/d				

Titanium dioxide (13463-67-7)			
Туре	1	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term	Oral	700 mg/kg bw/d	
Systemic health effects			

4,4'-Methylenediphenyl diisocyanate (101-68-8)					
Туре		Derived No Effect Level (DNEL)	Safety factor		
Consumer Short term	Dermal	25 mg/kg bw/d			

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Systemic health effects			
Consumer	Inhalation	0.05 mg/m <sup>3</sup>	
Short term			
Systemic health effects			
Consumer	Oral	20 mg/kg bw/d	
Short term			
Systemic health effects			
Consumer	Dermal	17200 μg/cm <sup>2</sup>	
Short term			
Local health effects			
Consumer	Inhalation	0.05 mg/m <sup>3</sup>	
Short term			
Local health effects			
Consumer	Inhalation	0.025 mg/m <sup>3</sup>	
Long term		_	
Systemic health effects			
Consumer	Inhalation	0.025 mg/m <sup>3</sup>	
Long term		_	
Local health effects			

# **Predicted No Effect Concentration** No information available. **(PNEC)**

Predicted No Effect Concentration (PNEC)			
Xylene (reaction mass of ethylbenzene and xylene) (RR-45541-4)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	0.327 mg/l		
Marine water	0.327 mg/l		
Microorganisms in sewage treatment	6.58 mg/l		
Freshwater sediment	12.46 mg/kg dry weight		
Soil	2.31 mg/kg dry weight		

Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l

4,4'-Methylenediphenyl diisocyanate (101-68-8)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	1 mg/l		
Marine water	0.1 mg/l		
Soil	1 mg/kg dry weight		
Sewage treatment plant	1 mg/l		
Freshwater - intermittent	10 mg/l		

Toluene diisocyanate (26471-62-5)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.013 mg/l
Marine water	0.00125 mg/l
Microorganisms in sewage treatment	>1 mg/l
Soil	>1 mg/kg dry weight

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

## **Personal Protective Equipment**

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**Eye/face protection** Wear safety glasses with side shields (or goggles). Eye protection must conform to

standard EN 166

**Hand protection** Nitrile rubber. Butyl rubber. Glove thickness > 0.4 mm. The breakthrough time of the

gloves depends on the material and the thickness as well as the temperature. The breakthrough time for the mentioned glove material is in general greater than 60 min.

Gloves must conform to standard EN 374

**Skin and body protection** Suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

Recommended filter type: Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases

and vapours filter conforming to EN 14387.

**Environmental exposure controls** No information available.

## SECTION 9: Physical and chemical properties

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

Physical stateSolidAppearancePasteColourGrey

**Odour** Characteristic

Odour threshold No information available

Property Values Remarks • Method

pH Not applicable .

Melting point / freezing point

Boiling point / boiling range Not applicable . °C

Flash point > 61 °C

Evaporation rate
Flammability (solid, gas)

No data available
No data available

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapour pressure No data available Relative vapour density No data available Relative density No data available Water solubility No data available Solubility(ies) No data available Partition coefficient No data available **Autoignition temperature** No data available No data available **Decomposition temperature** 600000 mm<sup>2</sup>/s Kinematic viscosity 600000 mPas Dynamic viscosity **Explosive properties** No data available **Oxidising properties** No data available

9.2. Other information

Solid content (%) No information available VOC Content (%) No information available

**Density** 1.23 g/cm<sup>3</sup>

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**Reactivity** No information available.

## 10.2. Chemical stability

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**Stability** Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical

None.

impact

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

**Conditions to avoid** Protect from moisture. Product cures with moisture.

10.5. Incompatible materials

**Incompatible materials**None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition

products

None under normal use conditions. Stable under recommended storage conditions.

## **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

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

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

**Skin contact** Specific test data for the substance or mixture is not available. Causes mild skin

irritation.

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

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Prolonged contact may cause redness and irritation.

Numerical measures of toxicity

**Acute toxicity** 

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 13,894.90 mg/kg ATEmix (inhalation-vapour) 194.911 mg/l

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Xylene (reaction mass of ethylbenzene and xylene)	=3500 mg/kg (Rattus)	>10000 mg/kg (Oryctolagus cuniculus)	=>47635 mg/L (Rattus) 4 h = >5000 ppm (Rattus) 4 h
RR-45541-4		our modius)	rooto pp (rando) i ii

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Titanium dioxide 13463-67-7	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
Aromatic Polyisocyanate 53317-61-6	LD50 >2000 mg/Kg (Rattus)		LC50 >3.820 mg/L (Rattus) 4h dust/mist
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-pi peridyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperi dyl sebacate 1065336-91-5	LD50 = 3230 mg/Kg (Rat)	LD50 >3170 mg/Kg (Rat)	
4,4'-Methylenediphenyl diisocyanate 101-68-8	=31600 mg/kg (Rattus) = 9200 mg/kg (Rattus)	LD 50 > 9400 mg/kg (Oryctolagus cuniculus) OECD 402	=1.5 mg/L (Rattus) 4 h
Toluene diisocyanate 26471-62-5	=3060 mg/kg (Rattus)	= 10000 mg/kg (Oryctolagus cuniculus)	=0.107 mg/L (Rattus) 4 h (Vapour)

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. May cause skin irritation.

Component Information					
Titanium dioxide (13463-6	i/-/)				
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:					Non-irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Component Information					
4,4'-Methylenediphenyl diisocyanate (101-68-8)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	Eye	0.1 mL	24 hours	Non-irritant
Acute Eye					
Irritation/Corrosion					

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Component Information			
Titanium dioxide (13463-67-7)			
4,4'-Methylenediphenyl diisocyanate (101-68-8)			
Method	Species	Exposure route	Results
OECD GD 39	Rat	Inhalation	Sensitizing

Toluene diisocyanate (26471-62-5)			
Method Species Exposure route Results			
OECD Test No. 429: Skin	Mouse	Dermal	sensitising
Sensitisation: Local Lymph Node			
Assay			

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

Chemical name	European Union
Titanium dioxide	Carc. 2

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13463-67-7	
4,4'-Methylenediphenyl diisocyanate 101-68-8	Carc. 2
Toluene diisocyanate 26471-62-5	Carc. 2

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component Information Titanium dioxide (13463-67-7)		
,	Species	Results
Oral	Rat	Not Carcinogenic
Inhalation Xu et al (2010), carcinogenic activity of nanoscale TiO2 administered by an intrapulmonary spraying (IPS) - initiation-promotion protocol in rat lung	Rat	Carcinogenic

4,4'-Methylenediphenyl diisocyanate (101-68-8)		
Method	Species	Results
OECD Test No. 453: Combined Chronic	Rat	Limited evidence of a carcinogenic
Toxicity/Carcinogenicity Studies		effect

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

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure**Based on available data, the classification criteria are not met.

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

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecotoxicity .

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Xylene (reaction mass of ethylbenzene and xylene) RR-45541-4	EC50 (72hr) 2.2 mg/l (Selenastrum capricornutum)	LC50(96h) 2.6 mg/l (Oncorhynchus mykiss-OECD 203)	EC50 = 0.0084 mg/L 24 h	LC50(24h) 1 mg/l (Daphnia magna-OECD 202)		
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-		
Reaction mass of Bis(1,2,2,6,6-pentamet hyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate 1065336-91-5	-	LC50 (96h) =0.9 mg/L	-	-		
4,4'-Methylenediphenyl	ErC50 (72h)	>1000 mg/l	-	EC50 (24H)		

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diisocyanate 101-68-8	>1640 mg/L Algae (scenedesmus subspicatus)	(Danio rerio)	>1000 mg/L Daphnia magna	
	(OECD 201)			

## 12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information			
Aromatic Polyisocyanate (53317-61-6)			
Method	Exposure time	Value	Results
OECD Test No. 301F: Ready		biodegradation	34 % Not readily
Biodegradability: Manometric			biodegradable
Respirometry Test (TG 301 F)			-

4,4'-Methylenediphenyl diisocyanate (101-68-8)				
Method	Exposure time	Value	Results	
OECD Test No. 302C: Inherent	28 days	0% biodegradation	Not readily biodegradable	
Biodegradability: Modified MITI Test	-	_	-	
(II)				

## 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

## **Component Information**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Xylene (reaction mass of ethylbenzene and xylene) RR-45541-4	3.15	25.9
4,4'-Methylenediphenyl diisocyanate 101-68-8	4.51	200
Toluene diisocyanate 26471-62-5	-	5

## 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

## PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Xylene (reaction mass of ethylbenzene and xylene)	The substance is not PBT / vPvB
RR-45541-4	
Titanium dioxide	The substance is not PBT / vPvB
13463-67-7	PBT assessment does not apply
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	The substance is not PBT / vPvB
and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
1065336-91-5	
4,4'-Methylenediphenyl diisocyanate	The substance is not PBT / vPvB
101-68-8	
Toluene diisocyanate	The substance is not PBT / vPvB
26471-62-5	

## 12.6. Other adverse effects

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Other adverse effects No information available.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of contents/container in accordance with local, regional, national, and

international regulations as applicable.

Contaminated packaging Do not reuse empty containers. Handle contaminated packages in the same way as the

product itself.

European Waste Catalogue 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

14.1 UN number or ID number
14.2 Proper Shipping Name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
Not regulated
Not regulated
Not regulated
Not regulated
Not applicable

14.6 Special Provisions None

#### **IMDG**

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Marine pollutantNP

14.5 Marine pollutant NP14.6 Special Provisions None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

### Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot applicable

**14.6 Special Provisions** None

## Section 15: REGULATORY INFORMATION

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

## European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

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### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

#### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

## Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

## Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

#### **Persistent Organic Pollutants**

Not applicable

## **National regulations**

## <u>France</u>

## Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Xylene (reaction mass of ethylbenzene and xylene)	RG 4bis,RG 84
RR-45541-4	
4,4'-Methylenediphenyl diisocyanate	RG 62
101-68-8	
Toluene diisocyanate	RG 62
26471-62-5	

## Germany

### Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) obviously hazardous to water (WGK 2)

## <u>Netherlands</u>

# List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands
Xylene (reaction mass of ethylbenzene and xylene)	Development (Category 2)
RR-45541-4	

#### Denmark

## Norway

## 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No

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ZW PU 50FC GRAY

Supercedes Date: 02-Jun-2020

Revision date 17-Dec-2020

Revision Number 2

Chemical Safety Assessment has been carried out for this mixture

#### **SECTION 16: Other information**

#### Key or legend to abbreviations and acronyms used in the safety data sheet

### Full text of H-Statements referred to under section 3

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

H330 - Fatal if inhaled

H332 - Harmful if inhaled

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

H335 - May cause respiratory irritation H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure

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

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value
\* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

## Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 17-Dec-2020

Indication of changes

Revision note Not applicable.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### **Disclaimer**

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

**End of Safety Data Sheet** 

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