

**Trade name:** WIDOPAN-Uini Primer

**Current version :** 13.0.0, issued: 15.12.2023

**Replaced version:** 12.3.1, issued: 14.01.2022

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**WIDOPAN-Uini Primer**

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

**Relevant identified uses of the substance or mixture**

Primer coat for sealing systems

**Uses advised against**

No data available.

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

**Address**

Widopan Produkte GmbH  
Ostereichen 3  
D-21714 Hammah

Telephone no. +49 (0) 4144 69821-0

Fax no. +49 (0) 4144 69821-20

**Information provided by / telephone**

+49 (0) 4144 69821-0

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**Details of the importer**

**Address**

Widopan Limited  
System House  
Horndon Industrial Park  
24 Station Rd  
West Horndon  
Brentwood  
CM13 3XL

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Carc. 2; H351

Eye Irrit. 2; H319

Flam. Liq. 2; H225

Resp. Sens. 1; H334

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT RE 2; H373

STOT SE 3; H335

STOT SE 3; H336

**Classification information**

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This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

#### Hazard pictograms



GHS02



GHS07



GHS08

#### Signal word

Danger

#### Hazardous component(s) to be indicated on label:

Aromatic polyisocyanate prepolymer  
acetone

Aromatic polyisocyanate prepolymer  
diphenylmethanediisocyanate, isomeres and homologues  
diphenylmethane-2,4'-diisocyanate  
diphenylmethane-4,4'-diisocyanate

#### Hazard statement(s)

H225	Highly flammable liquid and vapour.
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.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure

#### Hazard statements (EU)

EUH204 Contains isocyanates. May produce an allergic reaction.

#### Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P370+P378	In case of fire: Use water spray, carbon dioxide, dry chemical or foam to extinguish.

#### Supplemental label elements

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

## 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

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**Chemical characterization**

PU system, solvent containing

**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	<b>Aromatic polyisocyanate prepolymer</b>		
	72088-97-2 - - -	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335 STOT RE 2; H373	>= 25.00 - < 50.00 wt%
2	<b>acetone</b>		
	67-64-1 200-662-2 606-001-00-8 01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 25.00 - < 50.00 wt%
3	<b>Aromatic polyisocyanate prepolymer</b>		
	67815-87-6 - - -	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Acute Tox. 4; H332 Resp. Sens. 1; H334 STOT SE 3; H335 STOT RE 2; H373	>= 10.00 - < 25.00 wt%
4	<b>diphenylmethanediisocyanate, isomeres and homologues</b>		
	9016-87-9 - 615-005-00-9 -	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Acute Tox. 4*; H332 Resp. Sens. 1; H334 STOT SE 3; H335 Carc. 2; H351 STOT RE 2*; H373**	>= 5.00 - < 10.00 wt%
5	<b>diphenylmethane-2,4'-diisocyanate</b>		
	5873-54-1 227-534-9 615-005-00-9 01-2119480143-45	Acute Tox. 4; H332 Carc. 2; H351 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT RE 2; H373i STOT SE 3; H335	>= 5.00 - < 10.00 wt%
6	<b>diphenylmethane-4,4'-diisocyanate</b>		
	101-68-8 202-966-0 615-005-00-9 01-2119457014-47	Acute Tox. 4; H332 Carc. 2; H351 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT RE 2; H373i STOT SE 3; H335	>= 5.00 - < 10.00 wt%
7	<b>2-methoxy-1-methylethyl acetate</b>		
	108-65-6 203-603-9 607-195-00-7 01-2119475791-29	Flam. Liq. 3; H226 STOT SE 3; H336	>= 5.00 - < 10.00 wt%

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8	<b>tosyl isocyanate</b>				
	4083-64-1 223-810-8 615-012-00-7 01-2119980050-47	EUH014 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 STOT SE 3; H335	<	2.50	wt%
9	<b>2,2'-methylenediphenyl diisocyanate</b>				
	2536-05-2 219-799-4 615-005-00-9 01-2119927323-43	Acute Tox. 4; H332 Carc. 2; H351 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT RE 2; H373i STOT SE 3; H335	<	0.10	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(\*, \*\*, \*\*\*, \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
4	C, 2	Resp. Sens. 1; H334: C >= 0.1% Skin Irrit. 2; H315: C >= 5% Eye Irrit. 2; H319: C >= 5% STOT SE 3; H335: C >= 5%	-	-
5	C, 2	Resp. Sens. 1; H334: C >= 0.1% Eye Irrit. 2; H319: C >= 5% STOT SE 3; H335: C >= 5% Skin Irrit. 2; H315: C >= 5%	-	-
6	C, 2	Resp. Sens. 1; H334: C >= 0.1% Eye Irrit. 2; H319: C >= 5% Skin Irrit. 2; H315: C >= 5% STOT SE 3; H335: C >= 5%	-	-
9	C, 2	Resp. Sens. 1; H334: C >= 0.1% Eye Irrit. 2; H319: C >= 5% Skin Irrit. 2; H315: C >= 5% STOT SE 3; H335: C >= 5%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
5	H373i inhalational; -; -
6	H373i inhalational; -; -
9	H373i inhalational; -; -

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Call a doctor immediately.

#### After skin contact

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Wash off immediately with soap and water. Don't use solvents.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

**After ingestion**

Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person. Rinse the mouth thoroughly with water.

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

No data available.

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

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam; Extinguishing powder; Water spray jet; Carbon dioxide

**Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Isocyanate vapours. Traces of hydrogen cyanide.

**5.3 Advice for firefighters**

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Wear protective clothing. Suppress gases/vapours/mists with water spray jet.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

Cover up with damp, liquid absorbing material (e. g. sawdust, chemical binding material based on calcium silicate hydrate, sand). After 1 hour collect in stainless containers for waste material disposal. Do not seal containers (generation of CO<sub>2</sub>)! Keep damp and let stand in a secured outdoor location for several days. Dispose according to section 13. Clean contaminated surfaces thoroughly with water. Decontaminate wash water (see item 7) and dispose of.

**6.4 Reference to other sections**

No data available.

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

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Ensure adequate ventilation. When filling, transferring, or emptying of containers, adequate suctioning close to work place necessary. Provide suitable exhaust ventilation at the processing machines. If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Keep ready a decontamination solution consisting of ammonia solution (190 g/l), water and ethanol (5 %, 50 %, 45 %).

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available.

**Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Precautions should be taken to minimise exposure to atmospheric humidity or water: CO<sub>2</sub> will be formed which in closed containers can result in pressurisation. DO NOT KEEP THE CONTAINERS SEALED !! Protect from heat and direct sunlight.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Cover opened container with nitrogen in order to keep moisture away from the product.

**Incompatible products**

Do not store together with: oxidizing agents; Metals; Reducing agents; Keep away from water. Alcohols; Amines; Acids; Bases; Alkali metals; copper and copper alloys

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
	2000/39/EC		
	Acetone		
	WEL long-term (8-hr TWA reference period)	1210	mg/m <sup>3</sup> 500 ppm
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Acetone		
	WEL short-term (15 min reference period)	3620	mg/m <sup>3</sup> 1500 ppm
	WEL long-term (8-hr TWA reference period)	1210	mg/m <sup>3</sup> 500 ppm
2	diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Isocyanates, all (as -NCO) Exept methyl isocyanate		
	WEL short-term (15 min reference period)	0.07	mg/m <sup>3</sup>
	WEL long-term (8-hr TWA reference period)	0.02	mg/m <sup>3</sup>
	Comments	Sen	
3	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Isocyanates, all (as -NCO) Exept methyl isocyanate		
	WEL short-term (15 min reference period)	0.07	mg/m <sup>3</sup>
	WEL long-term (8-hr TWA reference period)	0.02	mg/m <sup>3</sup>
	Comments	Sen	

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4	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
1-Methoxypropylacetate			
	WEL short-term (15 min reference period)	548	mg/m <sup>3</sup> 100 ppm
	WEL long-term (8-hr TWA reference period)	274	mg/m <sup>3</sup> 50 ppm
	Comments	Sk	
<b>2000/39/EC</b>			
2-Methoxy-1-methylethylacetate			
	WEL short-term (15 min reference period)	550	mg/m <sup>3</sup> 100 ppm
	WEL long-term (8-hr TWA reference period)	275	mg/m <sup>3</sup> 50 ppm
	Skin resorption / sensibilisation	Skin	

**DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>acetone</b>			<b>67-64-1</b> <b>200-662-2</b>	
	dermal	Long term (chronic)	systemic	186	mg/kg/day
	inhalative	Short term (acut)	local	2420	mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	1210	mg/m <sup>3</sup>
2	<b>diphenylmethane-2,4'-diisocyanate</b>			<b>5873-54-1</b> <b>227-534-9</b>	
	inhalative	Long term (chronic)	local	0.05	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	0.1	mg/m <sup>3</sup>
3	<b>diphenylmethane-4,4'-diisocyanate</b>			<b>101-68-8</b> <b>202-966-0</b>	
	inhalative	Long term (chronic)	local	0.05	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	0.1	mg/m <sup>3</sup>
4	<b>2-methoxy-1-methylethyl acetate</b>			<b>108-65-6</b> <b>203-603-9</b>	
	dermal	Long term (chronic)	systemic	796	mg/kg/day
	inhalative	Long term (chronic)	systemic	275	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	550	mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>acetone</b>			<b>67-64-1</b> <b>200-662-2</b>	
	oral	Long term (chronic)	systemic	62	mg/kg/day
	dermal	Long term (chronic)	systemic	62	mg/kg/day
	inhalative	Long term (chronic)	systemic	200	mg/m <sup>3</sup>
2	<b>diphenylmethane-2,4'-diisocyanate</b>			<b>5873-54-1</b> <b>227-534-9</b>	
	inhalative	Long term (chronic)	local	0.025	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	0.05	mg/m <sup>3</sup>
3	<b>diphenylmethane-4,4'-diisocyanate</b>			<b>101-68-8</b> <b>202-966-0</b>	
	inhalative	Long term (chronic)	local	0.025	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	0.05	mg/m <sup>3</sup>
4	<b>2-methoxy-1-methylethyl acetate</b>			<b>108-65-6</b> <b>203-603-9</b>	
	oral	Long term (chronic)	systemic	36	mg/kg/day
	oral	Short term (acut)	systemic	500	mg/kg/day
	dermal	Long term (chronic)	systemic	320	mg/kg/day
	inhalative	Long term (chronic)	systemic	33	mg/m <sup>3</sup>

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inhalative	Long term (chronic)	local	33	mg/m <sup>3</sup>
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**PNEC values**

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	<b>acetone</b>	<b>67-64-1</b> <b>200-662-2</b>	
	water	fresh water	10.6 mg/L
	water	Aqua intermittent	21 mg/L
	water	marine water	1.06 mg/L
	water	fresh water sediment	30.4 mg/kg
	water	marine water sediment	3.04 mg/kg
	soil	-	29.5 mg/kg
	sewage treatment plant	-	100 mg/L
2	<b>diphenylmethane-2,4'-diisocyanate</b>	<b>5873-54-1</b> <b>227-534-9</b>	
	water	fresh water	3.7 µg/L
	water	marine water	0.37 µg/L
	water	fresh water sediment	11.7 mg/kg dry weight
	water	marine water sediment	1.17 mg/kg dry weight
	soil	-	2.33 mg/kg dry weight
3	<b>diphenylmethane-4,4'-diisocyanate</b>	<b>101-68-8</b> <b>202-966-0</b>	
	water	fresh water	3.7 µg/L
	water	marine water	0.37 µg/L
	water	fresh water sediment	11.7 mg/kg dry weight
	water	marine water sediment	1.17 mg/kg dry weight
	soil	-	2.33 mg/kg dry weight
	sewage treatment plant	-	1 mg/L
4	<b>2-methoxy-1-methylethyl acetate</b>	<b>108-65-6</b> <b>203-603-9</b>	
	water	fresh water	0.635 mg/L
	water	marine water	0.064 mg/L
	water	fresh water sediment	3.29 mg/kg
	with reference to: dry weight		
	water	marine water sediment	0.329 mg/kg
	with reference to: dry weight		
	soil	-	0.29 mg/kg
	with reference to: dry weight		
	sewage treatment plant	-	100 mg/L

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

In case of insufficient ventilation and during spray application respiratory protection necessary. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**

Safety glasses with side protection shield (EN 166)



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**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>State of aggregation</b>			
liquid			
<b>Form</b>			
liquid			
<b>Colour</b>			
yellowish			
<b>Odour</b>			
slightly aromatic			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value		260	°C
<b>Melting point/freezing point</b>			
No data available			
<b>Setting point / solidification range</b>			
Value		-18	°C
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Value	<	15	°C
Method	DIN 51758		
<b>Ignition temperature</b>			
Value		480	°C
<b>Flammability</b>			
No data available			
<b>Lower explosion limit</b>			
No data available			
<b>Upper explosion limit</b>			
No data available			
<b>Vapour pressure</b>			
Value		21	mbar
Reference temperature		20	°C
Value		45	mbar

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Reference temperature	50	°C
Value	50	mbar
Reference temperature	55	°C

<b>Relative vapour density</b>
No data available

<b>Relative density</b>
No data available

<b>Density</b>			
Value	appr.	0.978	g/cm <sup>3</sup>
Reference temperature		20	°C
Method	DIN 53217		

<b>Solubility in water</b>	
Comments	insoluble
Comments	Reacts with water

<b>Solubility</b>
No data available

**Partition coefficient n-octanol/water (log value)**

No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
	log Pow		-0.23
	Method	QSAR	
	Source	ECHA	
2	diphenylmethane-2,4'-diisocyanate	5873-54-1	227-534-9
	log Pow		4.51
	Reference temperature		22 °C
	with reference to	pH 7	
	Method	OECD 117	
	Source	ECHA	
3	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0
	log Pow		4.51
	Reference temperature		20 °C
	Method	OECD 117	
	Source	ECHA	
4	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
	log Pow		1.2
	Reference temperature		20 °C
	Method	OECD 117	
	Source	ECHA	

<b>Kinematic viscosity</b>			
Value	appr.	2800	mPa*s
Reference temperature		23	°C

<b>Particle characteristics</b>
No data available

**9.2 Other information**

<b>Other information</b>
No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

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No data available.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Moisture. Heat

**10.5 Incompatible materials**

Oxidizing agents; Metals; Reducing agents; Alcohols; Acids; Bases; Amines; Water; Alkali metals; Copper and copper alloys.

**10.6 Hazardous decomposition products**

In case of fire the following can be released: Isocyanate vapours; Traces of hydrogen cyanide

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
LD50		5800	mg/kg bodyweight
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0
LD50	>	2000	mg/kg bodyweight
Species	rat		
Source	ECHA / Read across		
3	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LD50	>	5000	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
LD50	>	15800	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0
LD50	>	9400	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA / Read across		
3	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	WIDOPAN-Uini Primer

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Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).
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Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
LC50		76	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
Species	guinea pig		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0
Method	OECD 404		
Source	ECHA / Read across		
Evaluation	irritant		
3	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
Route of exposure	Skin		
Species	guinea pig		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		

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Source Evaluation	ECHA non-sensitizing
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Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
	Type of examination	in vitro gene mutation study in bacteria	
	Species	Salmonella typhimurium	
	Method	OECD 471	
	Source	ECHA	
	Evaluation/classification	Based on available data, the classification criteria are not met.	
	Type of examination	In vitro Mammalian Chromosomal Aberration Test	
	Species	Chinese hamster Ovary (CHO)	
	Method	OECD 473	
	Source	ECHA	
	Evaluation/classification	Based on available data, the classification criteria are not met.	
	Type of examination	in vitro gene mutation study in mammalian cells	
	Species	Mouse lymphoma cells	
	Method	OECD 476	
	Source	ECHA	
	Evaluation/classification	Based on available data, the classification criteria are not met.	
2	diphenylmethane-2,4'-diisocyanate	5873-54-1	227-534-9
	Source	ECHA	
	Evaluation/classification	Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
	Route of exposure	inhalational	
	NOAEC	2200	ppm
	Type of examination	Prenatal Developmental Toxicity Study	
	Species	rat	
	Method	OECD 414	
	Source	ECHA	
	Evaluation/classification	Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
	Route of exposure	dermal	
	Type of examination	Toxicity study	
	Species	mouse	
	Source	ECHA	
	Evaluation/classification	Based on available data, the classification criteria are not met.	

STOT - single exposure			
No data available			

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
	Route of exposure	oral	
	NOAEL	10000	ppm
	Species	rat	
	Method	OECD 408	
	Source	ECHA	
	Evaluation/classification	Based on available data, the classification criteria are not met.	
	Route of exposure	inhalational	
	NOAEL	19000	ppm
	Species	rat	
	Source	ECHA	

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

No data available

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

In case of overexposure – especially during spraying applications without observed safety measures – danger of eye, nose, throat and airways irritation. Delayed appearance of difficulties and development of hypersensitivity (difficult breathing, coughing, and asthma) are possible. There may be hypersensitive persons who develop reactions following exposure to very low concentrations of isocyanates, even below the threshold limit value at the workplace. Tanning and irritating effects are possible at prolonged skin contact.

**11.2 Information on other hazards****Endocrine disrupting properties**

No data available.

**Other information**

No data available.

**SECTION 12: Ecological information****12.1 Toxicity**

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
LC50		5540	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
LC50	100	- 180	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
<b>Toxicity to fish (chronic)</b>			
No data available			
<b>Toxicity to Daphnia (acute)</b>			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
EC50		8800	mg/l
Duration of exposure		48	h
Species	Daphnia pulex		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>Toxicity to Daphnia (chronic)</b>			
No data available			
<b>Toxicity to algae (acute)</b>			
No	Substance name	CAS no.	EC no.
1	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
EC50	>	1000	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

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<b>Toxicity to algae (chronic)</b>
No data available

<b>Bacteria toxicity</b>
No data available

**12.2 Persistence and degradability**

<b>Biodegradability</b>			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
Type		aerobic biodegradation	
Value		90.9	%
Duration		28	day(s)
Method		OECD 301 B	
Source		ECHA	
Evaluation		readily biodegradable	
2	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
Type		aerobic biodegradation	
Value		90	%
Duration		28	day(s)
Method		OECD 301 F	
Source		ECHA	
Evaluation		readily biodegradable	

**12.3 Bioaccumulative potential**

<b>Bioconcentration factor (BCF)</b>			
No	Substance name	CAS no.	EC no.
1	diphenylmethane-2,4'-diisocyanate	5873-54-1	227-534-9
BCF		92	- 200
Method		OECD 305 E	
Source		ECHA	

<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.
1	acetone	67-64-1	200-662-2
log Pow		-0.23	
Method		QSAR	
Source		ECHA	
2	diphenylmethane-2,4'-diisocyanate	5873-54-1	227-534-9
log Pow		4.51	
Reference temperature		22	°C
with reference to		pH 7	
Method		OECD 117	
Source		ECHA	
3	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0
log Pow		4.51	
Reference temperature		20	°C
Method		OECD 117	
Source		ECHA	
4	2-methoxy-1-methylethyl acetate	108-65-6	203-603-9
log Pow		1.2	
Reference temperature		20	°C
Method		OECD 117	
Source		ECHA	

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

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**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**12.8 Other information****Other information**

Do not discharge product unmonitored into the environment.

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

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers should be disposed of only after removing product residues adhering to container walls, by the reaction with a decontaminating solution (see item 7).

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	UN1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3

**14.2 Transport IMDG**

Class	3
Packing group	II
UN number	UN1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
EmS	F-E, S-E
Label	3

**14.3 Transport ICAO-TI / IATA**

Class	3
Packing group	II
UN number	UN1993
Proper shipping name	Flammable liquid, n.o.s.
Label	3

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

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



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Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	2,2'-methylenediphenyl diisocyanate	2536-05-2	219-799-4	75
2	2-methoxypropyl acetate	70657-70-4	274-724-2	75
3	acetone	67-64-1	200-662-2	75
4	dibutyltin-dilaurate	77-58-7	201-039-8	75
5	diphenylmethane-2,4'-diisocyanate	5873-54-1	227-534-9	56, 74, 75, 77
6	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0	56, 74, 75, 77
7	diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	-	56, 74, 75, 77
8	tosyl isocyanate	4083-64-1	223-810-8	75

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category:

P5b

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has been carried out for one or more of the substances within this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

EUH014	Reacts violently with water.
EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H373i	May cause damage to organs through prolonged or repeated exposure if inhaled.

**Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)**

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- C                    Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- 2                    The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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