

**Trade name:** WIDOPUR-LF 2K - Component B**Product no.:** auto11164**Current version :** 2.3.2, issued: 14.01.2022**Replaced version:** 2.3.1, issued: 09.07.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****WIDOPUR-LF 2K - Component B****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Polyurethane component

**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)**

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; H373

STOT SE 3; H335

**Classification information**

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.

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## 2.2 Label elements

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

#### Hazard pictograms



GHS07



GHS08

#### Signal word

Danger

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

diphenylmethanediisocyanate, isomeres and homologues

#### Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure

#### Hazard statements (EU)

EUH204 Contains isocyanates. May produce an allergic reaction.

#### Precautionary statement(s)

P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

#### Supplemental label elements

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

## 2.3 Other hazards

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

#### Chemical characterization

Mixture (preparation)

#### Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	diphenylmethanediisocyanate, isomeres and homologues		

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9016-87-9	Carc. 2; H351 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317	>= 50.00 - < 70.00	wt%
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Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	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%	-	-

No	Route, target organ, concrete effect
1	H373 inhalational; hearing; -

## 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

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

#### After eye contact

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

#### After ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Call a doctor immediately.

### 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

No data available.

### 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. Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

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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. With a solution of 5 - 10 % sodium, 0.2 - 2 % detergents and 90 - 95 % water to neutralize.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

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.

#### 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.

### 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.

Appropriate Material iron; HDPE; LDPE; tin; stainless steel

#### Incompatible products

Do not store together with: Keep away from water. Alcohols; Amines; Acids; Bases; Alkalies

### 7.3 Specific end use(s)

No data available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	
List of approved workplace exposure limits (WELs) / EH40			
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	
2	diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0
List of approved workplace exposure limits (WELs) / EH40			
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	

### 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. Short term: filter apparatus, combination filter A-P2

##### Eye / face protection

Safety glasses with side protection shield (EN 166)

##### 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 workstation 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.

Appropriate Material	butyl rubber		
Material thickness		0.7	mm
Breakthrough time	>	480	min
Appropriate Material	nitrile rubber		
Material thickness		0.4	mm
Breakthrough time	>	480	min
Appropriate Material	chloroprene		
Material thickness		0.5	mm
Breakthrough time	>	480	min
Inappropriate material	PVC		
Material thickness		0.7	mm

##### 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

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<b>State of aggregation</b>			
liquid			
<b>Form/Colour</b>			
liquid			
brown			
<b>Odour</b>			
Earthy; musty			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value		330	°C
Reference pressure		1013	hPa
<b>Melting point/freezing point</b>			
Value	<	10	°C
<b>Decomposition temperature</b>			
Value	>	230	°C
Value	>	230	°C
<b>Flash point</b>			
Value	>	200	°C
Source	Literature value		
<b>Ignition temperature</b>			
Value	>	600	°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	<	0.01	Pa
Reference temperature		25	°C
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value		1.22	g/cm <sup>3</sup>
Reference temperature		25	°C
<b>Solubility in water</b>			
Comments	hydrolyses		
Comments	Reacts with water		
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No data available			
<b>Viscosity</b>			
Value		90 - 130	mPa*s

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Reference temperature	25 °C
Type	dynamic

**Particle characteristics**

No data available

**9.2 Other information****Other information**

No data available.

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

No data available.

**10.2 Chemical stability**

No data available.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Moisture. Heat

**10.5 Incompatible materials**

Alcohols; Acids; Amines; Water; Alkalies

**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	Product Name		
1	WIDOPUR-LF 2K - Component B		
LD50	>	10000	mg/kg
Species	rat		

Acute dermal toxicity			
No	Product Name		
1	WIDOPUR-LF 2K - Component B		
LD50	>	10000	mg/kg
Species	rabbit		

Acute inhalational toxicity (result of the ATE calculation for the mixture)			
No	Product Name		
1	WIDOPUR-LF 2K - Component B		
ATE (Mixture)	20.0000	mg/l	
Route of exposure / physical from Method	Vapour Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.		

Acute inhalational toxicity			
No	Product Name		
1	WIDOPUR-LF 2K - Component B		
LC50	appr.	0.493	mg/l
Duration of exposure		4	h
Species	rat		

Skin corrosion/irritation	
No	Product Name

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<b>1</b>	<b>WIDOPUR-LF 2K - Component B</b>
Evaluation	irritant

#### Serious eye damage/irritation

**No** Product Name

**1** WIDOPUR-LF 2K - Component B

Evaluation irritant

#### Respiratory or skin sensitisation

**No** Product Name

**1** WIDOPUR-LF 2K - Component B

Route of exposure Skin

Evaluation sensitizing

#### Germ cell mutagenicity

No data available

#### Reproduction toxicity

No data available

#### Carcinogenicity

No data available

#### STOT - single exposure

No data available

#### STOT - repeated exposure

No data available

#### 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

#### Toxicity to fish (acute)

**No** Product Name

**1** WIDOPUR-LF 2K - Component B

LC0	>	1000	mg/l
Duration of exposure		96	h

#### Toxicity to fish (chronic)

No data available

#### Toxicity to Daphnia (acute)

**No** Product Name

**1** WIDOPUR-LF 2K - Component B

EC0	>	500	mg/l
Duration of exposure		24	h



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Toxicity to Daphnia (chronic)	
No data available	

Toxicity to algae (acute)	
No	Product Name
1	WIDOPUR-LF 2K - Component B
EC0	1640 mg/l
Duration of exposure	72 h
Species	Scenedesmus subspicatus
Method	OECD 201

Toxicity to algae (chronic)	
No data available	

Bacteria toxicity	
No data available	

## 12.2 Persistence and degradability

Biodegradability	
No	Product Name
1	WIDOPUR-LF 2K - Component B
Evaluation	Slightly biodegradable
Value	< 10 % of ThOD
Duration	28 day(s)
Method	OECD 302 C

## 12.3 Bioaccumulative potential

No data available.

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

## 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

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The product is not subject to ADR/RID/ADN regulations.

**14.2 Transport IMDG**

The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**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**

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

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	diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	-	56, 74

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

This product is not subject to Part 1 or 2 of Annex I.

**15.2 Chemical safety assessment**

No data available.

**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.

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**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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