

**Trade name:** WIDOPOX-Spezialgrundierung 2K (B)

**Current version:** 7.0.1, Revision: 02.03.2026

**Replaced version:** 7.0.0, Revision: 07.10.2025

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**WIDOPOX-Spezialgrundierung 2K (B)**

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

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

General chemical processes

**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; H302

Aquatic Chronic 2; H411

Eye Dam. 1; H318

Repr. 2; H361f

Skin Corr. 1A; H314

Skin Sens. 1; H317

**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



GHS05



GHS07



GHS08



GHS09

#### Signal word

Danger

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

Formaldehyde, reaction products with 1,3-benzenedimethanamine and p-tert-butylphenol

4-tert-butylphenol

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-

Aminomethyl-3,5,5-trimethylcyclohexylamine

m-phenylenebis(methylamine)

benzyl alcohol

2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine

3-aminomethyl-3,5,5-trimethylcyclohexylamine

#### Hazard statement(s)

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.

H361f

Suspected of damaging fertility.

H411

Toxic to aquatic life with long lasting effects.

#### Precautionary statement(s)

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P264

Wash face, hands and any exposed skin thoroughly after handling.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

P391

Collect spillage.

## 2.3 Other hazards

The product contains components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### PBT assessment

According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered PBT.

#### vPvB assessment

According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

#### Chemical characterization

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Polyamine preparation

**Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	<b>Formaldehyde, reaction products with 1,3-benzenedimethanamine and p-tert-butylphenol</b>			
	158800-93-2 605-164-2 - -	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 4; H413	>= 25.00 - < 50.00	wt%
2	<b>4-tert-butylphenol</b>			
	98-54-4 202-679-0 604-090-00-8 01-2119489419-21	Aquatic Chronic 1; H410 Eye Dam. 1; H318 Repr. 2; H361f Skin Irrit. 2; H315	>= 10.00 - < 25.00	wt%
3	<b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine</b>			
	38294-64-3 - - 01-2119965165-33	Aquatic Chronic 3; H412 Skin Corr. 1B; H314 Skin Sens. 1; H317 Eye Dam. 1; H318	>= 10.00 - < 25.00	wt%
4	<b>m-phenylenebis(methylamine)</b>			
	1477-55-0 216-032-5 - 01-2119480150-50	Acute Tox. 4; H332 Acute Tox. 4; H302 Aquatic Chronic 3; H412 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1B; H317 EUH071	>= 10.00 - < 25.00	wt%
5	<b>benzyl alcohol</b>			
	100-51-6 202-859-9 603-057-00-5 -	Acute Tox. 4; H302 Skin Sens. 1B; H317 Eye Irrit. 2; H319	>= 10.00 - < 25.00	wt%
6	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>			
	25513-64-8 247-063-2 - 01-2119560598-25	Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Corr. 1A; H314 Skin Sens. 1A; H317	>= 5.00 - < 10.00	wt%
7	<b>2-methylpentane-1,5-diamine</b>			
	15520-10-2 239-556-6 - 01-2119976310-41	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Corr. 1A; H314 Eye Dam. 1; H318 STOT SE 3; H335	< 5.00	wt%
8	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>			
	2855-13-2 220-666-8 612-067-00-9 01-2119514687-32	Acute Tox. 4; H302 Acute Tox. 4; H312 Aquatic Chronic 3; H412 Skin Corr. 1B; H314 Skin Sens. 1; H317	< 5.00	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
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2	-	-	-	M = 1
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Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
5	1200 mg/kg bodyweight		
6	910 mg/kg bodyweight		
7	1690 mg/kg bodyweight		
8	1030 mg/kg bodyweight		

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of accident or if you feel unwell, seek medical advice immediately. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### 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. Seek medical attention.

#### 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. Call a doctor immediately. Never give anything by mouth to an unconscious person.

### 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

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); Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Run-off water from fire fighting must not be discharged into drains or enter surface water. Wear protective clothing.

## 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.

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## 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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

## 6.4 Reference to other sections

No data available.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

### Advice on safe handling

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

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

### Advice on protection against fire and explosion

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 in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep from freezing. Protect from atmospheric moisture and water.

### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. Emptied containers may contain product residues and therefore must be handled with care.

Reuse only after appropriate cleaning.

### Incompatible products

Do not store together with: oxidizing agents; Do not store together with foodstuffs.

## 7.3 Specific end use(s)

No data available.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

### DNEL, DMEL and PNEC values

#### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>4-tert-butylphenol</b>			<b>98-54-4</b> <b>202-679-0</b>	
	dermal	Long term (chronic)	systemic	0.071	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.5	mg/m <sup>3</sup>
2	<b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine</b>			<b>38294-64-3</b> -	
	dermal	Long term (chronic)	systemic	0.14	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.493	mg/m <sup>3</sup>

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3	<b>m-phenylenebis(methylamine)</b>			<b>1477-55-0</b> <b>216-032-5</b>
	dermal	Long term (chronic)	systemic	0.33 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	1.2 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	0.2 mg/m <sup>3</sup>
4	<b>2-methylpentane-1,5-diamine</b>			<b>15520-10-2</b> <b>239-556-6</b>
	dermal	Long term (chronic)	systemic	1.5 mg/kg
	inhalative	Long term (chronic)	local	0.25 mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	0.5 mg/m <sup>3</sup>
5	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>			<b>2855-13-2</b> <b>220-666-8</b>
	inhalative	Long term (chronic)	local	0.073 mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	0.073 mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	<b>4-tert-butylphenol</b>			<b>98-54-4</b> <b>202-679-0</b>
	oral	Long term (chronic)	systemic	0.026 mg/kg/day
	dermal	Long term (chronic)	systemic	0.026 mg/kg/day
	inhalative	Long term (chronic)	systemic	0.09 mg/m <sup>3</sup>
2	<b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine</b>			<b>38294-64-3</b> -
	oral	Long term (chronic)	systemic	50 µg/kg bw/day
	dermal	Long term (chronic)	systemic	50 µg/kg bw/day
	inhalative	Long term (chronic)	systemic	74 µg/m <sup>3</sup>
3	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>			<b>25513-64-8</b> <b>247-063-2</b>
	oral	Long term (chronic)	systemic	0.05 mg/kg/day
4	<b>2-methylpentane-1,5-diamine</b>			<b>15520-10-2</b> <b>239-556-6</b>
	oral	Long term (chronic)	systemic	0.25 mg/kg bw/day
	dermal	Long term (chronic)	systemic	0.75 mg/kg
	inhalative	Long term (chronic)	local	0.125 mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	0.25 mg/m <sup>3</sup>
5	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>			<b>2855-13-2</b> <b>220-666-8</b>
	oral	Long term (chronic)	systemic	0.3 mg/kg bw/day
	oral	Short term (acute)	systemic	0.3 mg/kg bw/day

**PNEC values**

No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	<b>4-tert-butylphenol</b>		<b>98-54-4</b> <b>202-679-0</b>
	water	fresh water	0.01 mg/L
	water	marine water	0.001 mg/L
	water	fresh water sediment	0.27 mg/kg
	water	marine water sediment	0.027 mg/kg
	soil	-	0.25 mg/kg
	with reference to: dry weight		
	sewage treatment plant	-	1.5 mg/L
2	<b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine</b>		<b>38294-64-3</b> -
	water	fresh water	0.011 mg/L

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	water	marine water	0.001	mg/L
	water	fresh water sediment	4320	mg/kg dry weight
	water	marine water sediment	432	mg/kg dry weight
	soil	-	864	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
3	<b>m-phenylenebis(methylamine)</b>		<b>1477-55-0</b> <b>216-032-5</b>	
	water	fresh water	0.094	mg/L
	water	marine water	0.009	mg/L
	water	fresh water sediment	12.4	mg/kg
	with reference to: dry mass			
	water	marine water sediment	1.24	mg/kg
	with reference to: dry mass			
	soil	-	2.44	mg/kg
	with reference to: dry mass			
	sewage treatment plant	-	10	mg/L
4	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>		<b>25513-64-8</b> <b>247-063-2</b>	
	water	fresh water	0.102	mg/L
	water	marine water	0.01	mg/L
	water	fresh water sediment	0.622	mg/kg dry weight
	water	marine water sediment	0.062	mg/kg dry weight
	soil	-	10	mg/kg dry weight
	sewage treatment plant	-	72	mg/L
5	<b>2-methylpentane-1,5-diamine</b>		<b>15520-10-2</b> <b>239-556-6</b>	
	water	fresh water	0.42	mg/L
	water	marine water	0.042	mg/L
	water	Aqua intermitt	0.42	mg/L
	water	fresh water sediment	7.58	mg/kg
	water	marine water sediment	0.758	mg/kg
	soil	-	1.27	mg/kg
	sewage treatment plant	-	1.25	g/kg
6	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>		<b>2855-13-2</b> <b>220-666-8</b>	
	water	fresh water	0.06	mg/L
	water	marine water	0.006	mg/L
	water	fresh water sediment	5.784	mg/kg dry weight
	water	marine water sediment	0.578	mg/kg dry weight
	soil	-	1.121	mg/kg dry weight
	sewage treatment plant	-	3.18	mg/L

## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

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If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. 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); Face shield

**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.

Appropriate Material                      NBR  
 Appropriate Material                      butyl rubber

**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>	
transparent	
<b>Odour</b>	
amine-like	
<b>pH value</b>	
reason for missing pH	substance/mixture is non-soluble (in water)
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
Value	> 83 °C
<b>Ignition temperature</b>	
Value	~ 380 °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>	

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No data available

**Relative vapour density**

No data available

**Relative density**

No data available

**Density**

Value	~	1.1	g/cm <sup>3</sup>
Reference temperature		23	°C

**Solubility**

No data available

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

No	Substance name	CAS no.	EC no.
1	4-tert-butylphenol	98-54-4	202-679-0
	log Pow		3
	Reference temperature		23 °C
	Method	OECD 117	
	Source	ECHA	
2	m-phenylenebis(methylamine)	1477-55-0	216-032-5
	log Pow		0.18
	Reference temperature		25 °C
	Method	OECD 107	
	Source	ECHA	
3	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	25513-64-8	247-063-2
	log Pow		-0.3
	Reference temperature		25 °C
	Method	OECD 117	
	Source	ECHA	
4	2-methylpentane-1,5-diamine	15520-10-2	239-556-6
	log Pow	<	1
	Reference temperature		25 °C
	Source	ECHA	
5	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
	log Pow		0.99
	Reference temperature		23 °C
	with reference to	pH 6.34	
	Source	ECHA	

**Kinematic viscosity**

Value	appr.	600	mPa*s
Reference temperature		23	°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.

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**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Reactions with acids and strong oxidising agents. Heat; Keep from freezing. Moisture

**10.5 Incompatible materials**

Oxidizing agents

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

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

<b>Acute oral toxicity (result of the ATE calculation for the mixture)</b>	
<b>Product Name</b>	
<b>WIDOPOX-Spezialgrundierung 2K (B)</b>	
ATE (Mixture)	881.34 mg/kg
Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

<b>Acute oral toxicity</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
<b>2</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>	<b>202-859-9</b>
ATE		1200	mg/kg bodyweight
Source	1272/2008/EC, Annex VI		
<b>3</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
LD50		910	mg/kg bodyweight
Species	rat		
Method	Value taken from the literature		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		
<b>4</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
LD50		1690	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
<b>5</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
LD50		1030	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

<b>Acute dermal toxicity (result of the ATE calculation for the mixture)</b>	
<b>Product Name</b>	
<b>WIDOPOX-Spezialgrundierung 2K (B)</b>	
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 dermal > 2000 mg/kg).

<b>Acute dermal toxicity</b>
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Trade name: WIDOPOX-Spezialgrundierung 2K (B)

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No	Substance name	CAS no.	EC no.
1	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

**Acute inhalational toxicity (result of the ATE calculation for the mixture)****Product Name****WIDOPOX-Spezialgrundierung 2K (B)**

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	m-phenylenebis(methylamine)	1477-55-0	216-032-5
LC50		1.34	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	2-methylpentane-1,5-diamine	15520-10-2	239-556-6
LC50		4.9	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
3	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
LC50	>	5.01	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

**Skin corrosion/irritation**

No	Substance name	CAS no.	EC no.
1	4-tert-butylphenol	98-54-4	202-679-0
Duration of exposure		4	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	strongly irritant		
2	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine	38294-64-3	-
Duration of exposure		60	min
Species	Human Skin Model		
Method	OECD 431		
Source	ECHA		
Evaluation	corrosive		
3	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	25513-64-8	247-063-2

Trade name: WIDOPOX-Spezialgrundierung 2K (B)

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Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	corrosive
Evaluation/classification	Based on available data, the classification criteria are met.
<b>4</b>	<b>2-methylpentane-1,5-diamine</b> <b>15520-10-2</b> <b>239-556-6</b>
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	strongly corrosive
<b>5</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> <b>2855-13-2</b> <b>220-666-8</b>
Species	rabbit
Method	Draize method
Source	ECHA
Evaluation	corrosive

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
Duration of exposure		21	day(s)
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irreversible effects on the eye		
<b>2</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		
Evaluation/classification	Based on available data, the classification criteria are met.		
<b>3</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
Species	rabbit		
Source	ECHA		
Evaluation	Irreversible effects on the eye		
<b>4</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
Route of exposure	Skin		
Duration of exposure		72	h
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
<b>2</b>	<b>m-phenylenebis(methylamine)</b>	<b>1477-55-0</b>	<b>216-032-5</b>
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
Evaluation/classification	Based on available data, the classification criteria are met.		
<b>3</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		

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Source	ECHA
Evaluation	sensitizing
Evaluation/classification	Based on available data, the classification criteria are met.
<b>4</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> <b>2855-13-2</b> <b>220-666-8</b>
Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>m-phenylenebis(methylamine)</b>	<b>1477-55-0</b>	<b>216-032-5</b>
Type of examination	in vitro gene mutation study in mammalian cells		
Species	mouse lymphoma L5178Y cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typh. TA98, TA100, TA1535, TA1537, TA1538		
Method	84/449/EEC, B.12		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>3</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
Type of examination	2 generation study		
Species	rat		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>m-phenylenebis(methylamine)</b>	<b>1477-55-0</b>	<b>216-032-5</b>
Route of exposure	oral		
Type of examination	Reproduction/Developmental Toxicity Screening Test		
Species	rat		
Method	OECD 421		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>3</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
Route of exposure	oral		
NOAEL	10 mg/kg		
Type of examination	Two-Generation Reproduction Toxicity Study		
Species	rats (male/female)		
Method	OECD 416		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>4</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

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STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	4-tert-butylphenol	98-54-4	202-679-0
Route of exposure		oral	
NOAEL		650	mg/kg
Duration of exposure		14	week/s
Species		rat	
Method		EPA	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	25513-64-8	247-063-2
Route of exposure		oral	
NOAEL		10	mg/kg
Duration of exposure		3	months
Species		rats (male/female)	
Method		Value taken from the literature	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

**Aspiration hazard**

No data available

**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	Substance name	CAS no.	EC no.
1	4-tert-butylphenol	98-54-4	202-679-0
LC50		>	1 mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	
2	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine	38294-64-3	-
LC50		70.7	mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	
3	m-phenylenebis(methylamine)	1477-55-0	216-032-5
LC50		87.6	mg/l
Duration of exposure		96	h
Species		Oryzias latipes	
Method		OECD 203	
Source		ECHA	
4	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	25513-64-8	247-063-2
LC50		174	mg/l
Duration of exposure		96	h
Species		Leuciscus idus melanotus	

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Method	DIN 38412 Part 15		
Source	ECHA		
<b>5</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
LC50		1825	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
<b>6</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
LC50		110	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	EEC C1		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
NOEC		0.01	mg/l
Duration of exposure		128	day(s)
Species	Pimephales promelas		
Method	OECD 210		
Source	ECHA		
<b>2</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
NOEC		10.9	mg/l
Duration of exposure		30	day(s)
Species	Danio rerio		
Method	OECD 210		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
EC50	appr.	4.8	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>2</b>	<b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>38294-64-3</b>	<b>-</b>
EC50		11.1	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>3</b>	<b>m-phenylenebis(methylamine)</b>	<b>1477-55-0</b>	<b>216-032-5</b>
EC50		15.2	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>4</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
EC50		31.5	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	DIN 38412 Part 11		
Source	ECHA		
<b>5</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>

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EC50	23	mg/l
Duration of exposure	48	h
Species	Daphnia magna	
Method	OECD 202	
Source	ECHA	

<b>Toxicity to Daphnia (chronic)</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
NOEC		0.73	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
<b>2</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
NOEC		1.02	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
<b>3</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
NOEC	>=	9.3	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
<b>4</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
NOEC		3	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

<b>Toxicity to algae (acute)</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
EC50	appr.	14	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
<b>2</b>	<b>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-Chloro-2,3-epoxypropane, Reaction products with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>38294-64-3</b>	<b>-</b>
EL50		79.4	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
<b>3</b>	<b>m-phenylenebis(methylamine)</b>	<b>1477-55-0</b>	<b>216-032-5</b>
EC50		20.3	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
<b>4</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
ErC50		43.5	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		

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Method	OECD 201		
Source	ECHA		
<b>5</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
<b>6</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
EC50		37	mg/l
Duration of exposure		72	h
Species	Desmodosmus subspicatus		
Method	EEC C3		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
NOEC		10	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
<b>2</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
NOEC		1.5	mg/l
Duration of exposure		72	
Species	Desmodosmus subspicatus		
Method	440/2008/EC C.3.		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
EC50	>	10	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
<b>2</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
EC50		89	mg/l
Duration of exposure		16	h
Species	Pseudomonas putida		
Method	DIN 38412 T.8		
Source	ECHA		
<b>3</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
IC50		291	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

## 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
Type	aerobic biodegradation		
Value	42	- 60	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		

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Evaluation	not readily biodegradable		
<b>2</b>	<b>m-phenylenebis(methylamine)</b>	<b>1477-55-0</b>	<b>216-032-5</b>
Type	aerobic biodegradation		
Value		49	%
Duration		28	d
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		
<b>3</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
Type	DOC decrease		
Value		7	%
Duration		28	day(s)
Method	92/69 EEC C.4-A		
Source	ECHA		
Evaluation	not readily degradable		
<b>4</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
Value		102	%
Duration		28	d
Method	OECD 301 D		
Source	ECHA		
<b>5</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
Value		8	%
Duration		28	day(s)
Method	92/69 EEC C.4-A		
Source	ECHA		
Evaluation	not readily biodegradable		

**12.3 Bioaccumulative potential**

<b>Bioconcentration factor (BCF)</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
BCF		20	- 48
Species	Cyprinus carpio		
Method	OECD 305 C		
Source	ECHA		
<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>4-tert-butylphenol</b>	<b>98-54-4</b>	<b>202-679-0</b>
log Pow		3	
Reference temperature		23	°C
Method	OECD 117		
Source	ECHA		
<b>2</b>	<b>m-phenylenebis(methylamine)</b>	<b>1477-55-0</b>	<b>216-032-5</b>
log Pow		0.18	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
<b>3</b>	<b>2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine</b>	<b>25513-64-8</b>	<b>247-063-2</b>
log Pow		-0.3	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		
<b>4</b>	<b>2-methylpentane-1,5-diamine</b>	<b>15520-10-2</b>	<b>239-556-6</b>
log Pow		<	
Reference temperature		1	°C
Source	ECHA		
<b>5</b>	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b>	<b>2855-13-2</b>	<b>220-666-8</b>
log Pow		0.99	

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Reference temperature with reference to Source	23 °C pH 6.34 ECHA
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#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
WIDOPOX-Spezialgrundierung 2K (B)	
PBT assessment	According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered PBT.
vPvB assessment	According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered vPvB.

#### 12.6 Endocrine disrupting properties

Endocrine disrupting properties			
No	Substance name	CAS no.	EC no.
1	4-tert-butylphenol	98-54-4	202-679-0
The substance has endocrine disrupting properties. (environment)			
Source		ECHA	

#### 12.7 Other adverse effects

No data available.

#### 12.8 Other information

Other information
Do not discharge into drains or waters and do not dispose of in public landfills.

### 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.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADR/RID/ADN	UN2735
IMDG	UN2735
ICAO-TI / IATA	UN2735

#### 14.2 UN proper shipping name

ADR/RID/ADN	AMINES, LIQUID, CORROSIVE, N.O.S.
IMDG	AMINES, LIQUID, CORROSIVE, N.O.S.
ICAO-TI / IATA	Amines, liquid, corrosive, n.o.s.

#### 14.3 Transport hazard class(es)

ADR/RID/ADN - Class	8
Label	8
Classification code	C7

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Tunnel restriction code	E
Hazard identification no.	80
<b>IMDG - Class</b>	8
Label	8
<b>ICAO-TI / IATA - Class</b>	8
Label	8
<b>14.4 Packing group</b>	
ADR/RID/ADN	II
IMDG	II
ICAO-TI / IATA	II
<b>14.5 Environmental hazards</b>	
ADR/RID/ADN	Symbol "fish and tree"
IMDG	Symbol "fish and tree"
EmS	F-A, S-B
<b>14.6 Special precautions for user</b>	
No data available.	
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	
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

The product contains following substance(s) meeting the criteria in Article 57 in association with Article 59 of the REACH regulation ((EC) 1907/2006) that are placed on the list of candidates considered for inclusion in annex XIV (substances subject to Authorisation).

No	Substance name	CAS no.	EC no.
1	4-tert-butylphenol	98-54-4	202-679-0

##### 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	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8	75
2	4-tert-butylphenol	98-54-4	202-679-0	75
3	benzyl alcohol	100-51-6	202-859-9	75
4	Formaldehyde, reaction products with 1,3-benzenedimethanamine and p-tert-butylphenol	158800-93-2	605-164-2	77

##### 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: E2

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

**Trade name:** WIDOPOX-Spezialgrundierung 2K (B)

**Current version:** 7.0.1, Revision: 02.03.2026

**Replaced version:** 7.0.0, Revision: 07.10.2025

**Region:** GB

**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)**

EUH071	Corrosive to the respiratory tract.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.

**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.

**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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