

**Trade name:** WIDOPOX-SC, Komponente A

**Current version :** 2.0.0, issued: 15.12.2023

**Replaced version:** 1.0.1, issued: 29.09.2023

**Region:**  
GER

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

### 1.1 Product identifier

**Trade name**

**WIDOPOX-SC, Komponente A**

**UFI:**

**0VHY-H05R-W00H-MR56**

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

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

paints, colours, lacquers

**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

### 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)**

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Skin Irrit. 2; H315

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.

### 2.2 Label elements

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

**Hazard pictograms**



GHS07



GHS09

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Warning

**Hazardous component(s) to be indicated on label:**reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

1,6-bis(2,3-epoxypropoxy)hexane

Formaldehyde, polymer with (chloromethyl)oxirane and phenol

**Hazard statement(s)**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P391 Collect spillage.

**UFI:**

0VHY-H05R-W00H-MR56

**2.3 Other hazards**

This product does not contain 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

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****Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq</math> 700)</b>			
	25068-38-6 500-033-5 603-074-00-8 01-2119456619-26	Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	$\geq$ 25,00 - < 50,00	wt%
2	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>			
	16096-31-4 240-260-4 - 01-2119463471-41	Aquatic Chronic 3; H412 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	$\geq$ 5,00 - < 10,00	wt%
3	<b>benzyl alcohol</b>			

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	100-51-6 202-859-9 603-057-00-5 01-2119492630-38	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319	>= 5,00 - < 10,00	wt%
4	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>			
	9003-36-5 500-006-8 - 01-2119454392-40	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 5,00 - < 10,00	wt%
5	<b>Solvent naphtha (petroleum), light arom.</b>		<b>Contains &lt; 0.1 % w/w benzene (EC No 200-753-7).</b>	
	64742-95-6 265-199-0 649-356-00-4 01-2119455851-35	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336	< 2,50	wt%

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	-	Eye Irrit. 2; H319: C >= 5% Skin Irrit. 2; H315: C >= 5%	-	-
5	P	-	-	-

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)".

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
3	1620 mg/kg bodyweight		

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

**After inhalation**

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

**After skin contact**

In case of contact with skin wash off with water. Rinse with plenty of water.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

**After ingestion**

Rinse the mouth thoroughly with water. Do not induce vomiting. 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**

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### 5.1 Extinguishing media

**Suitable extinguishing media**

carbon dioxide; foam; extinguishing powder; water spray jet; water mist

**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 oxides (COx)

### 5.3 Advice for firefighters

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

## 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.

**For emergency responders**

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. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

### 6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

## 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**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

**Advice on protection against fire and explosion**

Keep away from ignition sources and provide for good ventilation.

### 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.

**Recommended storage temperature**

Value 10 - 25 °C

**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.

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Substances to be avoided, see section 10.

**Stoarge Class according TRGS 510**

10-13 Combustible and Non-combustible liquids and solids that cannot be assigned to storage class 1-8.

**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	benzyl alcohol	100-51-6	202-859-9
	<b>TRGS 900</b>		
	Benzylalkohol		
	WEL long-term (8-hr TWA reference period)	22	mg/m <sup>3</sup> 5 ppm
	Ceiling Limit	2 (I)	
	Skin resorption / sensibilisation	H	
	Notes	Y, 11	

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

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</b>			<b>25068-38-6</b> <b>500-033-5</b>
	dermal	Long term (chronic)	systemic	0,75 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	4,93 mg/m <sup>3</sup>
2	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>			<b>16096-31-4</b> <b>240-260-4</b>
	dermal	Long term (chronic)	systemic	6 mg/kg bw/day
	dermal	Long term (chronic)	local	22,6 µg/cm <sup>2</sup>
	dermal	Short term (acut)	local	22,6 µg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	10,57 mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	10,57 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	0,44 mg/m <sup>3</sup>
3	<b>benzyl alcohol</b>			<b>100-51-6</b> <b>202-859-9</b>
	dermal	Long term (chronic)	systemic	8 mg/kg/day
	dermal	Short term (acut)	systemic	40 mg/kg/day
	inhalative	Long term (chronic)	systemic	22 mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	110 mg/m <sup>3</sup>
4	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>			<b>9003-36-5</b> <b>500-006-8</b>
	dermal	Long term (chronic)	systemic	104,15 mg/kg/day
	inhalative	Long term (chronic)	systemic	29,39 mg/m <sup>3</sup>
5	<b>Solvent naphtha (petroleum), light arom.</b>			<b>64742-95-6</b> <b>265-199-0</b>
	dermal	Long term (chronic)	systemic	12,5 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	151 mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name	CAS / EC no
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	Route of exposure	Exposure time	Effect	Value
1	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</b>			<b>25068-38-6</b> <b>500-033-5</b>
	oral	Long term (chronic)	systemic	0,5 mg/kg bw/day
	dermal	Long term (chronic)	systemic	89,3 µg/kg bw/day
	inhalative	Long term (chronic)	systemic	0,87 mg/m <sup>3</sup>
2	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>			<b>16096-31-4</b> <b>240-260-4</b>
	oral	Long term (chronic)	systemic	1,5 mg/kg bw/day
	oral	Short term (acut)	systemic	1,5 mg/kg bw/day
	dermal	Long term (chronic)	systemic	3 mg/kg bw/day
	dermal	Long term (chronic)	local	13,6 µg/cm <sup>2</sup>
	dermal	Short term (acut)	local	13,6 µg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	5,29 mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	5,29 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	0,27 mg/m <sup>3</sup>
3	<b>benzyl alcohol</b>			<b>100-51-6</b> <b>202-859-9</b>
	oral	Long term (chronic)	systemic	4 mg/kg/day
	oral	Short term (acut)	systemic	20 mg/kg/day
	dermal	Long term (chronic)	systemic	4 mg/kg/day
	dermal	Long term (chronic)	systemic	20 mg/kg/day
	inhalative	Long term (chronic)	systemic	5,4 mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	27 mg/m <sup>3</sup>
4	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>			<b>9003-36-5</b> <b>500-006-8</b>
	oral	Long term (chronic)	systemic	6,25 mg/kg bw/day
	dermal	Long term (chronic)	systemic	62,5 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	8,7 mg/m <sup>3</sup>
5	<b>Solvent naphtha (petroleum), light arom.</b>			<b>64742-95-6</b> <b>265-199-0</b>
	oral	Long term (chronic)	systemic	7,5 mg/kg bw/day
	dermal	Long term (chronic)	systemic	7,5 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	32 mg/m <sup>3</sup>

**PNEC values**

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</b>		<b>25068-38-6</b> <b>500-033-5</b>
	water	fresh water	0,006 mg/L
	water	marine water	0,001 mg/L
	water	fresh water sediment	0,341 mg/kg dry weight
	water	marine water sediment	0,034 mg/kg dry weight
	soil	-	0,065 mg/kg dry weight
	sewage treatment plant	-	10 mg/L
	secondary poisoning	-	11 mg/kg food
2	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>		<b>16096-31-4</b> <b>240-260-4</b>
	water	fresh water	0,011 mg/L
	water	marine water	0,001 mg/L
	water	fresh water sediment	0,283 mg/kg dry weight
	water	marine water sediment	0,028 mg/kg dry weight

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	soil	-	0,223	mg/kg dry weight
	sewage treatment plant	-	1	mg/L
3	<b>benzyl alcohol</b>		<b>100-51-6</b> <b>202-859-9</b>	
	water	fresh water	1	mg/L
	water	marine water	0,1	mg/L
	water	fresh water sediment	5,27	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0,527	mg/kg
	with reference to: dry weight			
	soil	-	0,456	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	39	mg/L
4	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>		<b>9003-36-5</b> <b>500-006-8</b>	
	water	fresh water	0,003	mg/L
	water	marine water	0,0003	mg/L
	water	Aqua intermittent	0,0254	mg/L
	water	fresh water sediment	0,294	mg/kg dry weight
	water	marine water sediment	0,0294	mg/kg dry weight
	soil	-	0,237	mg/kg dry weight
	sewage treatment plant	-	10	mg/L

## 8.2 Exposure controls

### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

### Personal protective equipment

#### Respiratory protection

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.

Respirator A

#### 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 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 nitrile rubber

Appropriate Material butyl rubber

Appropriate Material PVA

#### Other

Chemical-resistant work clothes.

#### Environmental exposure controls

No data available.

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<b>State of aggregation</b>			
liquid			
<b>Colour</b>			
Various, depending on coloration			
<b>Odour</b>			
weak			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value	supplier 146 °C		
Source	supplier		
<b>Melting point/freezing point</b>			
No data available			
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Value	> 200 °C		
Source	supplier		
<b>Ignition temperature</b>			
No data available			
<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>			
No data available			
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
Value	supplier 1,5		
Source	supplier		
<b>Density</b>			
No data available			
<b>Solubility in water</b>			
Comments	insoluble		
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.



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<b>1</b>	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</b>	<b>25068-38-6</b>	<b>500-033-5</b>
log Pow	appr.	3	
Reference temperature with reference to Method		25	°C
Source	pH 7 OECD 117 ECHA		
<b>2</b>	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>	<b>16096-31-4</b>	<b>240-260-4</b>
log Pow		0,822	
Reference temperature		20	°C
Source	ECHA		
<b>3</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>	<b>202-859-9</b>
log Pow		1,05	
Reference temperature		20	°C
Source	ECHA		
<b>4</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>265-199-0</b>
log Pow	3,03	- 4,73	
Reference temperature		20	°C
Source	ECHA		

**Kinematic viscosity**

No data available

**Particle characteristics**

No data available

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

No data available.

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

Dangerous reactions are not expected if the product is handled according to its intended use.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not to be expected when handling product according to its intended use.

**10.4 Conditions to avoid**

Temperatures &gt; 40°C; Heat, naked flames and other ignition sources. Temperatures &lt; 0 °C.

**10.5 Incompatible materials**

Oxidizing agents; Acids; Bases

**10.6 Hazardous decomposition products**

None if stored, handled and transported properly. In case of fire: see section 5.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (result of the ATE calculation for the mixture)****No** Product Name**1** WIDOPOX-SC, Komponente A

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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 oral > 2000 mg/kg).
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<b>Acute oral toxicity</b>			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 420		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4	240-260-4
LD50	>	2900	mg/kg bodyweight
Species	rat		
Source	ECHA		
3	benzyl alcohol	100-51-6	202-859-9
LD50	=	1620	mg/kg bodyweight
Species	rat		
Source	ECHA		
4	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
5	Solvent naphtha (petroleum), light arom.	64742-95-6	265-199-0
LD50	>	3492	mg/kg bodyweight
Species	rat		
Method	Pre-guideline, Non-GLP		
Source	ECHA		

<b>Acute dermal toxicity</b>			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
2	Solvent naphtha (petroleum), light arom.	64742-95-6	265-199-0
LD50	>	3160	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

<b>Acute inhalational toxicity (result of the ATE calculation for the mixture)</b>	
No	Product Name
1	WIDOPOX-SC, Komponente A
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	benzyl alcohol	100-51-6	202-859-9
LC50	>	4,178	mg/l
Duration of exposure		4	h
State of aggregation	mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
2	Solvent naphtha (petroleum), light arom.	64742-95-6	265-199-0
LC50	>	6193	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
Duration of exposure		4	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
2	1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4	240-260-4
Species	rabbit		
Source	ECHA		
Evaluation	irritant		
3	benzyl alcohol	100-51-6	202-859-9
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
4	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
5	Solvent naphtha (petroleum), light arom.	64742-95-6	265-199-0
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
Species	guinea pig		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
2	1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4	240-260-4

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Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
<b>3</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>	<b>202-859-9</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
<b>4</b>	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>	<b>9003-36-5</b>	<b>500-006-8</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
<b>5</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>265-199-0</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</b>	<b>25068-38-6</b>	<b>500-033-5</b>
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
<b>2</b>	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>	<b>16096-31-4</b>	<b>240-260-4</b>
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
<b>3</b>	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>	<b>9003-36-5</b>	<b>500-006-8</b>
Route of exposure		Skin	
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
<b>4</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>265-199-0</b>
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No data available			

Reproduction toxicity			
No data available			

Carcinogenicity			
No	Substance name	CAS no.	EC no.

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1	benzyl alcohol	100-51-6	202-859-9
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	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Route of exposure	oral		
NOAEL	appr.	250	mg/kg bw/d
Duration of exposure		90	day(s)
Species	rats (male/female)		
Method	OECD 408		
Source	ECHA		

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	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
LC50		1,5	mg/l
Duration of exposure		96	h
Species	Salmo gairdneri		
Method	OECD 203		
Source	ECHA		
2	1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4	240-260-4
LC50	appr.	30	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
3	benzyl alcohol	100-51-6	202-859-9
LC50		460	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	EPA OPP 72-1		
Source	ECHA		
4	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		

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Source	ECHA		
<b>5</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>265-199-0</b>
LC50		9,2	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>	<b>16096-31-4</b>	<b>240-260-4</b>
EC50		39	57
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>2</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>	<b>202-859-9</b>
EC50		230	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>3</b>	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>	<b>9003-36-5</b>	<b>500-006-8</b>
EL50		>	1000
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>4</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>265-199-0</b>
EC50		3,2	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

**Toxicity to Daphnia (chronic)**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>	<b>202-859-9</b>
NOEC		51	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
<b>2</b>	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>	<b>9003-36-5</b>	<b>500-006-8</b>
NOEC		0,3	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

**Toxicity to algae (acute)**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)</b>	<b>25068-38-6</b>	<b>500-033-5</b>

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EC50	9,1	-	9,4	mg/l
Duration of exposure			72	h
Species	Scenedesmus capricornutum			
Method	EPA-660/3-75-009			
Source	ECHA			
<b>2</b>	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>	<b>16096-31-4</b>		<b>240-260-4</b>
EC50			23,1	mg/l
Duration of exposure			48	h
Species	Raphidocelis subcapitata			
Method	QSAR			
Source	ECHA			
<b>3</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>		<b>202-859-9</b>
EC50			500	mg/l
Duration of exposure			72	h
Species	Pseudokirchneriella subcapitata			
Method	OECD 201			
Source	ECHA			
<b>4</b>	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>	<b>9003-36-5</b>		<b>500-006-8</b>
EC50	>		1,8	mg/l
Duration of exposure			72	h
Species	Pseudokirchneriella subcapitata			
Method	OECD 201			
Source	ECHA			
<b>5</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>		<b>265-199-0</b>
EL50			2,6	mg/l
Duration of exposure			72	h
Species	Raphidocelis subcapitata			
Method	OECD 201			
Source	ECHA			

**Toxicity to algae (chronic)**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>	<b>202-859-9</b>
NOEC			31072
Duration of exposure			72
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECDIN		

**Bacteria toxicity**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>1,6-bis(2,3-epoxypropoxy)hexane</b>	<b>16096-31-4</b>	<b>240-260-4</b>
IC50	>		100
Duration of exposure			3
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
<b>2</b>	<b>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</b>	<b>9003-36-5</b>	<b>500-006-8</b>
IC50			100
Duration of exposure			3
Species	activated sludge		
Source	ECHA		
<b>3</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>265-199-0</b>
IC50	>		99
Duration of exposure			10
Method	OECD 209		
Source	ECHA		

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Biodegradability			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
Type		aerobic biodegradation	
Method		OECD 301 F	
Source		ECHA	
Evaluation		not readily biodegradable	
2	1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4	240-260-4
Value		47	%
Duration		28	d
Method		OECD 301 D	
Source		ECHA	
Evaluation		readily biodegradable	
3	benzyl alcohol	100-51-6	202-859-9
Type		BOD of the ThOD	
Value		92	%
Duration		14	day(s)
Method		OECD 301 C	
Source		ECHA	
Evaluation		readily biodegradable	
4	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
Type		aerobic biodegradation	
Value		appr. 0	%
Duration		28	day(s)
Method		Closed Bottle Test (OECD 301D)	
Source		ECHA	
Evaluation		not readily biodegradable	
5	Solvent naphtha (petroleum), light arom.	64742-95-6	265-199-0
Value		78	%
Duration		28	d
Method		OECD 301 F	
Source		ECHA	

**12.3 Bioaccumulative potential**

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	500-006-8
BCF		150	
Method		QSAR	
Source		ECHA	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
log Pow		appr. 3	
Reference temperature		25	°C
with reference to		pH 7	
Method		OECD 117	
Source		ECHA	
2	1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4	240-260-4



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log Pow		0,822	
Reference temperature		20	°C
Source	ECHA		
<b>3</b>	<b>benzyl alcohol</b>	<b>100-51-6</b>	<b>202-859-9</b>
log Pow		1,05	
Reference temperature		20	°C
Source	ECHA		
<b>4</b>	<b>Solvent naphtha (petroleum), light arom.</b>	<b>64742-95-6</b>	<b>265-199-0</b>
log Pow	3,03	-	4,73
Reference temperature		20	°C
Source	ECHA		

**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.
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**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Waste code 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances

**Packaging**

Waste code 15 01 10\* packaging containing residues of or contaminated by hazardous substances

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 Transport ADR/RID/ADN**

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

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Tunnel restriction code	Formaldehyde, polymer with (chloromethyl)oxirane and phenol
Label	-
Environmentally hazardous substance mark	9
	Symbol "fish and tree"

#### 14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
	Formaldehyde, polymer with (chloromethyl)oxirane and phenol
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

#### 14.3 Transport ICAO-TI / IATA

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
	Formaldehyde, polymer with (chloromethyl)oxirane and phenol
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

#### 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
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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	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700)	25068-38-6	500-033-5	75
2	titanium dioxide; [not containing 1 % or more of particles with aerodynamic diameter $\leq$ 10 $\mu$ m]	13463-67-7	236-675-5	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:	E2
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**Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)**

VOC-value	174 g/l
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**Other regulations**

Adhere to the national sanitary and occupational safety regulations when using this product.

**National regulations****Water Hazard Class (Germany)**

Class

2

Source

Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out.

**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)**

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

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

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The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

**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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