

Trade name: WIDOPOX-SC, Komponente B**Current version :** 2.0.0, issued: 15.12.2023**Replaced version:** 1.0.0, issued: 13.07.2023**Region:**
GER**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

WIDOPOX-SC, Komponente B

UFI:

XDJY-J0A4-R00G-KTWR

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)**

Acute Tox. 4; H302

Aquatic Chronic 3; H412

Eye Dam. 1; H318

Skin Corr. 1B; 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.

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

Hazard pictograms



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GHS05 GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia
m-phenylenebis(methylamine)reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)Extract of Cashew nut shells (*Anacardium occidentale*), decarboxylated, distilled**Hazard statement(s)**

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P260

Do not breathe mist/vapours/spray.

P264

Wash hands thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection.

P303+P361+P353

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

P310

Immediately call a POISON CENTER/doctor.

UFI:

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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	benzyl alcohol			
	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	>= 25,00 - < 50,00	wt%
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			

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	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 Eye Dam. 1; H318	>= 25,00 - < 50,00	wt%
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia			
	9046-10-0 - - 01-2119557899-12	Skin Corr. 1C; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 5,00 - < 10,00	wt%
4	m-phenylenebis(methylamine)			
	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	>= 5,00 - < 10,00	wt%
5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)			
	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	>= 5,00 - < 10,00	wt%
6	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled			
	8007-24-7 700-991-6 - 01-2119502450-57	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 5,00 - < 10,00	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)
5	-	Eye Irrit. 2; H319: C >= 5% Skin Irrit. 2; H315: C >= 5%	-	-

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
1	1620 mg/kg bodyweight		
2	1030 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. Seek medical advice immediately. 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. Do not use mouth-to-mouth or mouth-to-nose resuscitation.

After skin contact

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In case of contact with skin wash off with water. Wash immediately with plenty of water for several minutes. Seek medical attention. 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). Get immediate ophthalmic treatment.

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out mouth and give plenty of water to drink.

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

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); Nitrogen oxides (NOx)

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. Use personal protective clothing.

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.

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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. Have emergency shower available. Provide eye wash fountain in work area.

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 15 - 30 °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.

Incompatible products

Substances to be avoided, see section 10.

Storage Class according TRGS 510

8A Combustible corrosive substances

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
	TRGS 900		
	Benzylalkohol		
	WEL long-term (8-hr TWA reference period)	22	mg/m ³ 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	benzyl alcohol	100-51-6 202-859-9		
	dermal	Long term (chronic)	systemic	8 mg/kg/day
	dermal	Short term (acute)	systemic	40 mg/kg/day
	inhalative	Long term (chronic)	systemic	22 mg/m ³
	inhalative	Short term (acute)	systemic	110 mg/m ³
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2 220-666-8		
	inhalative	Long term (chronic)	local	0,073 mg/m ³
	inhalative	Short term (acute)	local	0,073 mg/m ³
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0		
	dermal	Long term (chronic)	systemic	2,5 mg/kg/day

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	inhalative	Long term (chronic)	systemic	5,29	mg/m ³
4	m-phenylenebis(methylamine)			1477-55-0	
				216-032-5	
	dermal	Long term (chronic)	systemic	0,33	mg/kg
	inhalative	Long term (chronic)	systemic	1,2	mg/m ³
	inhalative	Long term (chronic)	local	0,2	mg/m ³
5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)			25068-38-6	
				500-033-5	
	dermal	Long term (chronic)	systemic	0,75	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	4,93	mg/m ³
6	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled			8007-24-7	
				700-991-6	
	dermal	Long term (chronic)	systemic	2,1	mg/kg/day
	inhalative	Long term (chronic)	systemic	7,4	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	benzyl alcohol			100-51-6	
				202-859-9	
	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 ³
	inhalative	Short term (acut)	systemic	27	mg/m ³
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			2855-13-2	
				220-666-8	
	oral	Long term (chronic)	systemic	0,526	mg/kg/day
3	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)			25068-38-6	
				500-033-5	
	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 ³
4	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled			8007-24-7	
				700-991-6	
	oral	Long term (chronic)	systemic	0,75	mg/kg bw/day
	dermal	Long term (chronic)	systemic	0,75	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	1,31	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	benzyl alcohol		100-51-6	
			202-859-9	
	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
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine		2855-13-2	
			220-666-8	
	water	fresh water	0,06	mg/L
	water	marine water	0,006	mg/L

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	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
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia		9046-10-0 -	
	water	fresh water	0,015	mg/L
	water	marine water	0,014	mg/L
	water	fresh water sediment	0,132	mg/kg dry weight
	water	marine water sediment	0,125	mg/kg dry weight
	soil	-	0,018	mg/kg dry weight
	sewage treatment plant	-	7,5	mg/L
	secondary poisoning	-	6,93	mg/kg food
4	m-phenylenebis(methylamine)		1477-55-0 216-032-5	
	water	fresh water	0,094	mg/L
	water	marine water	0,0094	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
5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)		25068-38-6 500-033-5	
	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
6	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled		8007-24-7 700-991-6	
	water	fresh water	11,4	μ g/L
	water	marine water	1,14	μ g/L
	water	fresh water sediment	5	mg/kg dry weight
	water	marine water sediment	0,5	mg/kg dry weight
	soil	-	171,41	mg/kg dry weight
	sewage treatment plant	-	100	mg/L
	secondary poisoning	-	33,3	mg/kg food

8.2 Exposure controls

Appropriate engineering controls

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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.

Respiratory filter (part): P2

Eye / face protection

Safety glasses with side protection shield (EN 166); Tightly fitting safety glasses (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	>=	0,5	mm
Breakthrough time	>=	60	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

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

State of aggregation	
liquid	
Colour	
light yellow	
Odour	
amine-like	
pH value	
Value	supplier 13,5
Source	supplier
Boiling point / boiling range	
Value	> 100 °C
Source	supplier
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	> 100 °C
Source	supplier
Ignition temperature	
No data available	

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Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
Value		1,02	
Source	supplier		
Density			
No data available			
Solubility in water			
Comments	miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
	log Pow		1,05
	Reference temperature		20 °C
	Source	ECHA	
2	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	
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
	log Pow		1,34
	Reference temperature		25 °C
	Method	OECD 117	
4	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	
5	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
	log Pow	4,78	- 6,2
	Method	OECD 117	
	Source	ECHA	
Kinematic viscosity			
No data available			
Particle characteristics			

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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

Exothermic reactions are possible in the event of contact with incompatible substances.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Acids; Oxidizing agents

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	CAS no.	EC no.
1	WIDOPOX-SC, Komponente B		
ATE (Mixture)		1185,59 mg/kg	
Method		Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.	
Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
LD50	=	1620	mg/kg bodyweight
Species	rat		
Source	ECHA		
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
LD50		1030	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
LD50		2885	mg/kg bodyweight
Species	rat (female)		
Method	OECD 401		
Source	ECHA		
4	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		

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Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	WIDOPOX-SC, Komponente 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).

Acute dermal toxicity			
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		
2	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
LD50	>	2979	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	WIDOPOX-SC, Komponente 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).

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	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	mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

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2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
Species	rabbit		
Method	Draize method		
Source	ECHA		
Evaluation	corrosive		
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	corrosive		
4	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		
5	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
Duration of exposure	24		h
Species	rabbit		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		
4	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		
5	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
Duration of exposure	10		s
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irreversible effects on the eye		

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Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		sensitizing	
2	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	
3	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
Route of exposure		Skin	
Duration of exposure		48	h
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		sensitizing	

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
Type of examination		in vitro gene mutation study in bacteria	
Species		Salmonella typhimurium TA98, TA100, TA1535, TA1537	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
Route of exposure		oral	
NOAEL		1000	mg/kg bw/d
Duration of exposure		54	day(s)
Type of examination		Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	
Species		rats (male/female)	
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
Source		ECHA	

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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	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
Route of exposure		oral	
NOAEL		150	mg/kg bw/d
Duration of exposure		54	day(s)
Species		rats (male/female)	
Method		OECD 422	
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	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	
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
LC50		110	mg/l
Duration of exposure		96	h
Species		Leuciscus idus	
Method		EEC C1	
Source		ECHA	
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
LC50		>	15 mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	
4	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	

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Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
EC50		230	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
EC50		23	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
EC50		80	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.
1	benzyl alcohol	100-51-6	202-859-9
NOEC		51	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
NOEC		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.
1	benzyl alcohol	100-51-6	202-859-9
EC50		500	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
EC50		37	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	EEC C3		
Source	ECHA		
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
ErC50		15	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		

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Method	OECD 201
Source	ECHA
4	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) 25068-38-6 500-033-5
EC50	9,1 - 9,4 mg/l
Duration of exposure	72 h
Species	Scenedesmus capricornutum
Method	EPA-660/3-75-009
Source	ECHA

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
NOEC		31072	mg/l
Duration of exposure		72	
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECDIN		
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
NOEC		1,5	mg/l
Duration of exposure		72	
Species	Desmodemus subspicatus		
Method	440/2008/EC C.3.		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
EC50		8,1	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
IC50			

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
Type	BOD of the ThOD		
Value	92	- 96	%
Duration		14	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		
2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8
Value		8	%
Duration		28	day(s)
Method	92/69 EEC C.4-A		
Source	ECHA		
Evaluation	not readily biodegradable		
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
Type	aerobic biodegradation		
Value		0	%
Duration		28	day(s)
Method	OECD 301 B		

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Source	ECHA		
4	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		
5	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
Type	aerobic biodegradation		
Value	96	%	
Duration	28	day(s)	
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		
Value	%		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	benzyl alcohol	100-51-6	202-859-9
log Pow		1,05	
Reference temperature		20	°C
Source	ECHA		
2	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		
3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	9046-10-0	-
log Pow		1,34	
Reference temperature		25	°C
Method	OECD 117		
4	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		
5	Extract of Cashew nut shells (Anacardium occidentale), decarboxylated, distilled	8007-24-7	700-991-6
log Pow	4,78	-	6,2
Method	OECD 117		
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

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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
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Packaging

Waste code	15 01 10*	packaging containing residues of or contaminated by hazardous substances
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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	8
Classification code	C7
Packing group	III
Hazard identification no.	80
UN number	UN2735
Proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S.
Technical name	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

Class	8
Packing group	III
UN number	UN2735
Proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S.
Technical name	3-aminomethyl-3,5,5-trimethylcyclohexylamine
EmS	F-A, S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	III
UN number	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s.
Technical name	3-aminomethyl-3,5,5-trimethylcyclohexylamine
Label	8

14.4 Other information

No data available.

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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	3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	220-666-8	75
2	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5	75

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.

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.

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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.
H411	Toxic to aquatic life with long lasting effects.

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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