

**Trade name:** WIDOCRYL-TEN V

**Current version :** 3.0.0, issued: 05.07.2024

**Replaced version:** 3.0.0, issued: 28.06.2024

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**WIDOCRYL-TEN V**

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

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

Sealants

**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)**

Aquatic Chronic 2; H411

Flam. Liq. 2; H225

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT SE 3; H335

**Classification information**

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

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

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

### 2.2 Label elements

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

GHS02



GHS07



GHS09

**Signal word**

Danger

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

methyl-methacrylate

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

dodecane-1-thiol

**Hazard statement(s)**

H225

Highly flammable liquid and vapour.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H335

May cause respiratory irritation.

H411

Toxic to aquatic life with long lasting effects.

**Hazard statements (EU)**

EUH208

Contains Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol, 2,2'-ethylenedioxydiethyl dimethacrylate. May produce an allergic reaction.

**Precautionary statement(s)**

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243

Take action to prevent static discharges.

P261

Avoid breathing vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

P280

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

P501

Dispose of contents/container to a facility in accordance with local and national regulations.

**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**

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

**vPvB assessment**

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be 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 %

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1	<b>methyl-methacrylate</b>			
	80-62-6 201-297-1 607-035-00-6 01-2119452498-28	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335	>= 25.00 - < 50.00	wt%
2	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>			
	1065336-91-5 915-687-0 - 01-2119491304-40	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Sens. 1A; H317 Repr. 2; H361f	< 2.50	wt%
3	<b>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol</b>			
	- 911-490-9 - 01-2119979579-10	Acute Tox. 4; H302 Aquatic Chronic 3; H412 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 2.50	wt%
4	<b>dodecane-1-thiol</b>			
	112-55-0 203-984-1 - 01-2119491318-31	Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50	wt%
5	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>			
	109-16-0 203-652-6 - 01-2119969287-21	Skin Sens. 1B; H317	< 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	D	-	-	-
4	-	-	M = 10	M = 10
5	D	-	-	-

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)".

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

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

#### After inhalation

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

#### After skin contact

Remove with a cloth or paper. Wash off with soap and water. Don't use solvents. Consult a doctor if skin irritation persists.

#### 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). Seek medical assistance.

#### After ingestion

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Do not induce vomiting. Call a doctor immediately. Rinse the mouth thoroughly with water. Drink water in small gulps. 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**

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

**Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

**5.3 Advice for firefighters**

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

Personal protective equipment (PPE) - see section 8.

**6.2 Environmental precautions**

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

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

**6.4 Reference to other sections**

No data available.

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

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**

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

**Advice on protection against fire and explosion**

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

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep in a cool place, heat causes increase in pressure and risk of bursting.

### Recommended storage temperature

Value 5 - 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. Fill containers only up to 80%, because oxygen (air) is necessary for stabilization.

### Incompatible products

Do not store together with fire promoting substances. 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

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
	<b>2009/161/EU</b>		
	methyl methacrylate		
	WEL short-term (15 min reference period)		100 ppm
	WEL long-term (8-hr TWA reference period)		50 ppm
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Methyl methacrylate		
	WEL short-term (15 min reference period)	416 mg/m <sup>3</sup>	100 ppm
	WEL long-term (8-hr TWA reference period)	208 mg/m <sup>3</sup>	50 ppm

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>methyl-methacrylate</b>			<b>80-62-6</b> <b>201-297-1</b>	
	dermal	Short term (acut)	local	1.5	mg/cm <sup>2</sup>
	dermal	Long term (chronic)	systemic	13.67	mg/kg
	dermal	Long term (chronic)	local	1.5	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	348.4	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	208	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	416	mg/m <sup>3</sup>
2	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>			<b>1065336-91-5</b> <b>915-687-0</b>	
	dermal	Long term (chronic)	systemic	1.8	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	1.27	mg/m <sup>3</sup>

##### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>methyl-methacrylate</b>			<b>80-62-6</b> <b>201-297-1</b>	
	oral	Long term (chronic)	systemic	8.2	mg/kg bw/day

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	dermal	Short term (acute)	local	1.5	mg/cm <sup>2</sup>
	dermal	Long term (chronic)	systemic	8.2	mg/kg
	dermal	Long term (chronic)	local	1.5	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	74.3	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	104	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	208	mg/m <sup>3</sup>
2	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>			<b>1065336-91-5 915-687-0</b>	
	oral	Long term (chronic)	systemic	0.18	mg/kg bw/day
	dermal	Long term (chronic)	systemic	0.9	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.31	mg/m <sup>3</sup>

**PNEC values**

No	Substance name		CAS / EC no
	ecological compartment	Type	
1	methyl-methacrylate		<b>80-62-6 201-297-1</b>
	water	fresh water	0.94 mg/L
	water	marine water	0.094 mg/L
	water	Aqua intermittent	0.94 mg/L
	water	fresh water sediment	10.2 mg/kg
	water	marine water sediment	0.102 mg/kg dry weight
	soil	-	1.48 mg/kg dry weight
	sewage treatment plant	-	10 mg/L
2	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>		<b>1065336-91-5 915-687-0</b>
	water	fresh water	0.002 mg/L
	water	marine water	0 mg/L
	water	fresh water sediment	1.05 mg/kg dry weight
	water	marine water sediment	0.11 mg/kg dry weight
	soil	-	0.21 mg/kg dry weight
	sewage treatment plant	-	1 mg/L

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

No data available.

**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 (gas) : A

**Eye / face protection**

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 work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

**Other**

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fire-resistant protective 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>	
coloured	
<b>Odour</b>	
of acrylate	
<b>Odour threshold</b>	
Value	0.05 ppm
<b>pH value</b>	
reason for missing pH	substance/mixture is non-soluble (in water)
<b>Boiling point / boiling range</b>	
Value	101 °C
Method	DIN 51751
Reference substance	Methyl methacrylate
<b>Melting point/freezing point</b>	
Value	-48 °C
Reference substance	Methyl methacrylate
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
Value	12 °C
Method	DIN 51755
Reference substance	Methyl methacrylate
<b>Ignition temperature</b>	
No data available	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
Value	2.1 % vol
Reference substance	Methyl methacrylate
<b>Upper explosion limit</b>	
Value	12.5 % vol
Reference substance	Methyl methacrylate
<b>Vapour pressure</b>	
Value	38.7 mbar
Reference substance	Methyl methacrylate
<b>Relative vapour density</b>	
No data available	

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Relative density			
No data available			
Density			
Value	1.36	g/cm <sup>3</sup>	
Reference temperature	25	°C	
Method	DIN 53217		
Solubility in water			
Comments	insoluble		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
log Pow		1.38	
Reference temperature		20	°C
Source	ECHA		
2	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0
log Pow	2.37	- 2.77	
Reference temperature		25	°C
with reference to	pH 7		
Method	OECD 107		
Source	ECHA		
3	dodecane-1-thiol	112-55-0	203-984-1
log Pow	>	6.5	
Reference temperature		25	°C
with reference to	pH 7		
Method	OECD 117		
Source	ECHA		
Kinematic viscosity			
Value	3000	- 7000	mPa*s
Reference temperature		25	°C
Type	kinematic		
Method	DIN 53018		
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

Stable if stored and handled properly.

### 10.3 Possibility of hazardous reactions

Polymerization upon exposure to white light, ultraviolet light or heat. Polymerization is highly exothermic and may produce sufficient heat to cause thermal decomposition and/or rupture of the container.

### 10.4 Conditions to avoid

Heat, naked flames or other ignition sources, electrostatic charge and discharge, formation of vapours/aerosols.



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**10.5 Incompatible materials**

Peroxides; Amines; Heavy metals; Oxidizing agents; Reducing 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**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0
LD50		3230	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	dodecane-1-thiol	112-55-0	203-984-1
LD50	>	5000	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0
LD50	>	3170	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	dodecane-1-thiol	112-55-0	203-984-1
LD50	>=	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
LC50		29.8	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0

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Species	rabbit
Method	EPA OPP 81-5
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
<b>2</b>	<b>dodecane-1-thiol</b> <b>112-55-0</b> <b>203-984-1</b>
Duration of exposure	4 h
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	corrosive

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>	<b>1065336-91-5</b>	<b>915-687-0</b>
Species	rabbit		
Method	EPA OPP 81-4		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
<b>2</b>	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>	<b>1065336-91-5</b>	<b>915-687-0</b>
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>3</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>2</b>	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>	<b>1065336-91-5</b>	<b>915-687-0</b>
Type of examination	in vitro gene mutation study in mammalian cells		
Species	Chinese hamster V79 cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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Type of examination	in vitro gene mutation study in bacteria
Species	Salmonella typhimurium / Escherichia coli
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Type of examination	In vitro Mammalian Chromosomal Aberration Test
Species	Human Lymphocyte
Method	OECD 473
Source	ECHA
Evaluation/classification	Based on the available data, the classification criteria are not met.
Route of exposure	oral
Type of examination	In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus
Species	mouse
Method	OECD 474
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

**Reproduction toxicity**

No data available

**Carcinogenicity**

No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
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	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0
Route of exposure		oral	
Species		rats (male/female)	
Method		OECD 407	
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**

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
LC50	>	79	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		

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Source		ECHA	
<b>2</b>	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>	<b>1065336-91-5</b>	<b>915-687-0</b>
LC50		0.9	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Source	ECHA		
<b>3</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Source	ECHA		

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
EC50		69	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>2</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
EC50	>	10	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
Evaluation/classification	The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		

**Toxicity to Daphnia (chronic)**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
NOEC		37	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>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
EC50	>	110	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD 201		
Source	ECHA		
<b>2</b>	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>	<b>1065336-91-5</b>	<b>915-687-0</b>
EC50		0.42	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
<b>3</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>

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EC50	>	0.0145	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
Evaluation/classification	The tested concentration is above the limit of solubility. Based on available data, the classification criteria are not met.		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	dodecane-1-thiol	112-55-0	203-984-1
NOEC		14.5	µg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0
IC50	>=	100	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.
1	methyl-methacrylate	80-62-6	201-297-1
Value		94	%
Duration		14	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		
2	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0
Type	aerobic biodegradation		
Value		38	%
Duration		28	d
Method	OECD 301 E		
Source	ECHA		
Evaluation	Moderately/partially biodegradable		

## 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5	915-687-0
BCF	<	31.4	
Species	Cyprinus carpio		
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1

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log Pow	1.38	
Reference temperature	20	°C
Source	ECHA	
<b>2</b>	<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</b>	<b>1065336-91-5 915-687-0</b>
log Pow	2.37 - 2.77	
Reference temperature with reference to	25	°C
Method	pH 7 OECD 107	
Source	ECHA	
<b>3</b>	<b>dodecane-1-thiol</b>	<b>112-55-0 203-984-1</b>
log Pow	> 6.5	
Reference temperature with reference to	25	°C
Method	pH 7 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	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**12.8 Other information**

Other information
Do not discharge product unmonitored into the environment.

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

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

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR/RID/ADN	UN1866
IMDG	UN1866
ICAO-TI / IATA	UN1866

**14.2 UN proper shipping name**

ADR/RID/ADN	RESIN SOLUTION
IMDG	RESIN SOLUTION

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ICAO-TI / IATA Resin solution

**14.3 Transport hazard class(es)**

<b>ADR/RID/ADN - Class</b>	3
Label	3
Classification code	F1
Tunnel restriction code	D/E
Hazard identification no.	33
Special Provision 640	640C
<b>IMDG - Class</b>	3
Label	3
<b>ICAO-TI / IATA - Class</b>	3
Label	3

**14.4 Packing group**

<b>ADR/RID/ADN</b>	II
<b>IMDG</b>	II
<b>ICAO-TI / IATA</b>	II

**14.5 Environmental hazards**

<b>ADR/RID/ADN</b>	Symbol "fish and tree"
<b>IMDG</b>	Symbol "fish and tree"
EmS	F-E, S-E

**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, 40

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

No	Substance name	CAS no.	EC no.	No
1	methyl-methacrylate	80-62-6	201-297-1	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, P5b

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

**15.2 Chemical safety assessment**

No data available.

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## 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)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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)

D	Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.
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### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

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

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

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