

**Trade name:** WIDOCRYL-SV

**Current version :** 3.0.0, issued: 15.12.2023

**Replaced version:** 2.0.0, issued: 21.06.2022

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**WIDOCRYL-SV**

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

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

Binding agent

**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 3; H412

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

Trade name: WIDOCRYL-SV

Current version : 3.0.0, issued: 15.12.2023

Replaced version: 2.0.0, issued: 21.06.2022

Region: GB

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

GHS02



GHS07

**Signal word**

Danger

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

methyl-methacrylate  
 2,2'-ethylenedioxydiethyl dimethacrylate  
 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.  
 H412 Harmful to aquatic life with long lasting effects.

**Hazard statements (EU)**

EUH208 Contains 2-Hydroxyethyl methacrylate, Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol. May produce an allergic reaction.

**Precautionary statement(s)**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P370+P378 In case of fire: Use water spray, carbon dioxide, dry chemical or foam to extinguish.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**2.3 Other hazards**

PBT assessment  
 No data available.  
 vPvB assessment  
 No data available.

**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	methyl-methacrylate		

**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB

	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>2,2'-ethylenedioxydiethyl dimethacrylate</b>			
	109-16-0 203-652-6 - 01-2119969287-21	Skin Sens. 1B; H317	< 2.50	wt%
3	<b>2-Hydroxyethyl methacrylate</b>			
	868-77-9 212-782-2 607-124-00-X 01-2119490169-29	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 2.50	wt%
4	<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%
5	<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	< 0.50	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	-	-	-
2	D	-	-	-
5	-	-	M = 10	M = 10

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. Take medical treatment.

**After skin contact**

Wash off with soap and water. Rinse with plenty of water. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice. Seek medical assistance.

**After ingestion**

Do not induce vomiting. Call a doctor immediately. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available.

**Trade name:** WIDOCRYL-SV

**Current version :** 3.0.0, issued: 15.12.2023

**Replaced version:** 2.0.0, issued: 21.06.2022

**Region:** GB

#### **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**

Extinguishing powder; Water spray jet; Carbon dioxide; Foam

**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. Wear protective clothing. Cool endangered containers with water spray jet. Suppress gases/vapours/mists with water spray jet.

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

**For emergency responders**

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**

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**

**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB

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.

**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	methyl-methacrylate	80-62-6	201-297-1
	2009/161/EU		
	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)**

EN11 Values (worker)					
No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	methyl-methacrylate			80-62-6 201-297-1	
	dermal	Short term (acut)	local	1.5	mg/cm²
	dermal	Long term (chronic)	systemic	13.67	mg/kg
	dermal	Long term (chronic)	local	1.5	mg/cm²
	inhalative	Long term (chronic)	systemic	348.4	mg/m³
	inhalative	Long term (chronic)	local	208	mg/m³
	inhalative	Short term (acut)	local	416	mg/m³
2	2,2'-ethylenedioxydiethyl dimethacrylate			109-16-0 203-652-6	
	dermal	Long term (chronic)	systemic	13.9	mg/kg/day
	inhalative	Long term (chronic)	svstemic	48.5	mg/m³

**DNEL value (consumer)**

DNEL Value (consumer)					
No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	methyl-methacrylate			80-62-6 201-297-1	
	oral	Long term (chronic)	systemic	8.2	mg/kg bw/day
	dermal	Short term (acut)	local	1.5	mg/cm²
	dermal	Long term (chronic)	systemic	8.2	mg/kg
	dermal	Long term (chronic)	local	1.5	mg/cm²
	inhalative	Long term (chronic)	systemic	74.3	mg/m³

**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB

	inhalative	Long term (chronic)	local	104	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	208	mg/m <sup>3</sup>
2	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>			<b>109-16-0</b> <b>203-652-6</b>	
	oral	Long term (chronic)	systemic	8,33	mg/kg
	dermal	Long term (chronic)	systemic	8,33	mg/kg
	inhalative	Long term (chronic)	systemic	14,5	mg/m <sup>3</sup>

**PNEC values**

No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	<b>methyl-methacrylate</b>		<b>80-62-6</b> <b>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>2,2'-ethylenedioxydiethyl dimethacrylate</b>		<b>109-16-0</b> <b>203-652-6</b>
	water	fresh water	0.16 mg/L
	water	marine water	0.002 mg/L
	water	fresh water sediment	0.185 mg/kg dry weight
	water	marine water sediment	0.018 mg/kg dry weight
	soil	-	0,027 mg/kg dry weight
	sewage treatment plant	-	1.7 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.

**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.

Appropriate Material butyl rubber

**Other**

fire-resistant protective clothing

**Environmental exposure controls**

No data available.

Trade name: WIDOCRYL-SV

Current version : 3.0.0, issued: 15.12.2023

Replaced version: 2.0.0, issued: 21.06.2022

Region: GB

**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>		
colourless		
<b>Odour</b>		
of acrylate		
<b>Odour threshold</b>		
Value	0.05	ppm
<b>pH value</b>		
No data available		
<b>Boiling point / boiling range</b>		
Value	101	°C
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
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		
<b>Relative density</b>		
No data available		
<b>Density</b>		
Value	1.0	g/cm³
Reference temperature	25	°C

Trade name: WIDOCRYL-SV

Current version : 3.0.0, issued: 15.12.2023

Replaced version: 2.0.0, issued: 21.06.2022

Region: GB

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	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
log Pow		2.3	
Method		OECD 117	
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	180 - 240 mPa*s
Reference temperature	25 °C
Type	kinematic

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

### 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

Temperatures &gt; 25°C; Heat, naked flames and other ignition sources. Protect from sun.

### 10.5 Incompatible materials

Peroxides; Amines; Azo compounds; 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.



**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB

<b>1</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
LD50	>	5000	mg/kg bodyweight
Species	rat		
Source	ECHA		

<b>Acute dermal toxicity</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
<b>2</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
LD50	>=	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

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

<b>Skin corrosion/irritation</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>
Duration of exposure		24	h
Species	rabbit		
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		

<b>Serious eye damage/irritation</b>			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

<b>Respiratory or skin sensitisation</b>			
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>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>

**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB

Route of exposure	Skin
Species	mouse
Method	OECD 429
Source	ECHA
Evaluation	sensitizing
Evaluation/classification	Based on available data, the classification criteria are met.

<b>3</b>	<b>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>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>
Duration of exposure	4		h
Type of examination	in vitro gene mutation study in mammalian cells		
Species	Chinese hamster lung (CHL)		
Method	OECD 476		
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.
<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.		

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

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.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
LC50	>	79	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		

**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB

Source		ECHA	
2	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
LC50		16.4	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
3	dodecane-1-thiol	112-55-0	203-984-1
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		
<b>2</b>	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>
NOEC		32	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>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		

Trade name: WIDOCRYL-SV

Current version : 3.0.0, issued: 15.12.2023

Replaced version: 2.0.0, issued: 21.06.2022

Region: GB

Method	OECD 201		
Source	ECHA		
<b>3</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
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.
<b>1</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
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 data available	

## 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
Value		94	%
Duration		14	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		
<b>2</b>	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>
Type	aerobic biodegradation		
Value		85	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>methyl-methacrylate</b>	<b>80-62-6</b>	<b>201-297-1</b>
log Pow		1.38	
Reference temperature		20	°C
Source	ECHA		
<b>2</b>	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>	<b>109-16-0</b>	<b>203-652-6</b>
log Pow		2.3	
Method	OECD 117		
Source	ECHA		
<b>3</b>	<b>dodecane-1-thiol</b>	<b>112-55-0</b>	<b>203-984-1</b>
log Pow	>	6.5	
Reference temperature		25	°C
with reference to	pH 7		
Method	OECD 117		
Source	ECHA		

## 12.4 Mobility in soil

No data available.

**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB**12.5 Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

PBT assessment	No data available.
vPvB assessment	No data available.

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**12.8 Other information****Other information**

Do not let enter the product into drains or waterways and do not store on public depositories.

**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. 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 Transport ADR/RID/ADN**

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	UN1866
Proper shipping name	RESIN SOLUTION
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3

**14.2 Transport IMDG**

Class	3
Packing group	II
UN number	UN1866
Proper shipping name	RESIN SOLUTION
EmS	F-E, S-E
Label	3

**14.3 Transport ICAO-TI / IATA**

Class	3
Packing group	II
UN number	UN1866
Proper shipping name	Resin solution
Label	3

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

**Trade name:** WIDOCRYL-SV**Current version :** 3.0.0, issued: 15.12.2023**Replaced version:** 2.0.0, issued: 21.06.2022**Region:** GB

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, 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	2-Hydroxyethyl methacrylate	868-77-9	212-782-2	75
2	mequinol	150-76-5	205-769-8	75
3	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: P5b

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**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.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic 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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**Trade name:** WIDOCRYL-SV

**Current version :** 3.0.0, issued: 15.12.2023

**Replaced version:** 2.0.0, issued: 21.06.2022

**Region:** GB

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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'.

**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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