

**Trade name:** WIDOCRYL-SV

**Current version :** 1.1.0, issued: 07.03.2018

**Replaced version:** 1.0.0, issued: 08.07.2015

**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

### 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. 1A; 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

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

**Hazard pictograms**



GHS02



GHS07

**Signal word**

Danger

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**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. 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**

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	<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 %-b.w.
2	<b>2,2'-ethylenedioxydiethyl dimethacrylate</b>		
	109-16-0 203-652-6 - 01-2119969287-21	Skin Sens. 1B; H317	< 2.50 %-b.w.
3	<b>dodecane-1-thiol</b>		
	112-55-0 203-984-1 - 01-2119491318-31	Skin Corr. 1C; H314 Skin Sens. 1A; H317 Aquatic Chronic 1; H410	< 2.50 %-b.w.
4	<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 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

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No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	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. 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 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.

### 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 sources of ignition.

#### For emergency responders

No data available. 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.

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### 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. Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

#### 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

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

#### Advice on storage assembly

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
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Methyl methacrylate			
	STEL	416	mg/m <sup>3</sup> 100 ml/m <sup>3</sup>
	TWA	208	mg/m <sup>3</sup> 50 ml/m <sup>3</sup>
<b>2009/161/EU</b>			
methyl methacrylate			
	STEL		100 ppm
	TWA		50 ppm

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## DNEL, DMEL and PNEC values

### DNEL values (worker)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	methyl-methacrylate			<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	208 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	208 mg/m <sup>3</sup>
2	2,2'-ethylenedioxydiethyl dimethacrylate			<b>109-16-0</b> <b>203-652-6</b>
	inhalative	Long term (chronic)	systemic	48,5 mg/m <sup>3</sup>

### DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	methyl-methacrylate			<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	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>
2	2,2'-ethylenedioxydiethyl dimethacrylate			<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	methyl-methacrylate		<b>80-62-6</b> <b>201-297-1</b>
	water	fresh water	0.94 mg/l
	water	marine water	0.94 mg/l
	water	Aqua intermittent	0.94 mg/l
	water	fresh water sediment	5.74 mg/kg
	soil	-	1.47 mg/kg
	sewage treatment plant	-	10 mg/l
	2	2,2'-ethylenedioxydiethyl dimethacrylate	
water		fresh water	0,164 mg/l
water		marine water	0,0164 mg/l
water		Aqua intermittent	0,164 mg/l
water		fresh water sediment	1,85 mg/kg
water		marine water sediment	0,185 mg/kg
soil		-	0,274 mg/kg
sewage treatment plant		-	10 mg/l

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## 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>	
liquid	
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	100.3 °C
Method	DIN 51751
Reference substance	Methyl methacrylate
<b>Melting point / melting range</b>	
Value	-48 °C
Reference substance	Methyl methacrylate
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	11.5 °C
Method	DIN 51755
Reference substance	Methyl methacrylate

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<b>Auto-ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
No data available	
<b>Explosive properties</b>	
No data available	
<b>Flammability (solid, gas)</b>	
No data available	
<b>Lower flammability or explosive limits</b>	
Value	2.1 % vol
Reference substance	Methyl methacrylate
<b>Upper flammability or explosive limits</b>	
Value	12.5 % vol
Reference substance	Methyl methacrylate
<b>Vapour pressure</b>	
Value	38.7 mbar
Reference substance	Methyl methacrylate
<b>Vapour density</b>	
No data available	
<b>Evaporation rate</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	1.0 g/cm <sup>3</sup>
Reference temperature	25 °C
<b>Solubility in water</b>	
Remarks	insoluble
<b>Solubility(ies)</b>	
No data available	
<b>Partition coefficient: n-octanol/water</b>	
No data available	
<b>Viscosity</b>	
Value	180 - 240 mPa*s
Reference temperature	25 °C
Type	kinematic

## 9.2 Other information

<b>Other information</b>
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.

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## 10.4 Conditions to avoid

Temperatures > 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 toxicological effects

Acute oral toxicity			
No	Product Name		
1	WIDOCRYL-SV		
LD50	>	5000	mg/kg
Species	rat		
Reference substance	Methyl methacrylate		
Source	Literature value		

Acute dermal toxicity			
No	Product Name		
1	WIDOCRYL-SV		
LD50	>	5000	mg/kg
Species	rabbit		

Acute inhalational toxicity			
No	Product Name		
1	WIDOCRYL-SV		
LC50		4632	ppm
Duration of exposure		4	h
Species	rat		
Reference substance	Methyl methacrylate		
Source	Literature value		

Skin corrosion/irritation	
No	Product Name
1	WIDOCRYL-SV
Evaluation	irritant



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<b>Serious eye damage/irritation</b>
No data available
<b>Respiratory or skin sensitisation</b>
No data available
<b>Germ cell mutagenicity</b>
No data available
<b>Reproduction toxicity</b>
No data available
<b>Carcinogenicity</b>
No data available
<b>STOT - single exposure</b>
No data available
<b>STOT - repeated exposure</b>
No data available
<b>Aspiration hazard</b>
No data available
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>
Possibility of sensitisation through skin contact.

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>			
<b>No</b>	<b>Product Name</b>		
1	WIDOCRYL-SV		
LC50		>	79 mg/l
Duration of exposure			96 h
Species	Oncorhynchus mykiss		
Reference substance	Methyl methacrylate		
Method	OECD 203		
<b>Toxicity to fish (chronic)</b>			
No data available			
<b>Toxicity to Daphnia (acute)</b>			
<b>No</b>	<b>Product Name</b>		
1	WIDOCRYL-SV		
EC50			69 mg/l
Duration of exposure			48 h
Species	Daphnia magna		
Reference substance	Methyl methacrylate		
<b>Toxicity to Daphnia (chronic)</b>			
No data available			
<b>Toxicity to algae (acute)</b>			
<b>No</b>	<b>Product Name</b>		
1	WIDOCRYL-SV		
EC50			170 mg/l
Duration of exposure			96 h
Species	Selenastrum capricornutum		
Reference substance	Methyl methacrylate		

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<b>Toxicity to algae (chronic)</b>
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No data available
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<b>Bacteria toxicity</b>
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No data available
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**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

**12.7 Other information**

<b>Other information</b>
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Do not discharge product unmonitored into the environment.
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## 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**

Residuals 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

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## 14.4 Other information

No data available.

## 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

## 14.6 Special precautions for user

No data available.

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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, PREPARATIONS AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3, 40
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##### **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
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### 15.2 Chemical safety assessment

No data available.

## 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.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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 chapter.

#### **Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
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)**

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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**Department issuing 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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