

**Trade name:** WIDOCRYL-Primer PM

**Current version :** 5.0.0, issued: 14.06.2022

**Replaced version:** 4.3.0, issued: 11.06.2021

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**WIDOCRYL-Primer PM**

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

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

Primer coat for sealing systems

**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

Eye Irrit. 2; H319

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-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

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

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol

ethylene dimethacrylate

**Hazard statement(s)**

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement(s)**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing vapours/spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: 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****Chemical characterization**

Methyl methacrylate-based reactive resin

**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 wt%
2	<b>Nonylbenzoate, branched and linear</b>		

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

	670241-72-2 - - 01-0000018876-55	Aquatic Chronic 2; H411	>= 5.00 - < 10.00	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>ethylene dimethacrylate</b>			
	97-90-5 202-617-2 607-114-00-5 01-2119965172-38	Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 3; H412	< 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	-	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

Acute toxicity estimate (ATE) values				
No	oral	dermal	inhalative	
3	619 mg/kg bodyweight			

## 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

Wash off immediately with soap and water. Don't use solvents. Consult a doctor if skin irritation persists.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

#### After ingestion

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

### 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

**Trade name:** WIDOCRYL-Primer PM**Current version :** 5.0.0, issued: 14.06.2022**Replaced version:** 4.3.0, issued: 11.06.2021**Region:** GB

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**

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. 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**

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.

**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. 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.

**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.

**Incompatible products**

Do not store together with: Amines; oxidizing agents; Reducing agents

**7.3 Specific end use(s)**

No data available.

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

## 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>
	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)

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 (acute)	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	<b>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol</b>			- <b>911-490-9</b>
	dermal	Long term (chronic)	systemic	1.4 mg/kg/day
	inhalative	Long term (chronic)	systemic	9.8 mg/m <sup>3</sup>
3	<b>ethylene dimethacrylate</b>			<b>97-90-5</b> <b>202-617-2</b>
	dermal	Long term (chronic)	systemic	1.3 mg/kg/day
	inhalative	Long term (chronic)	systemic	2.45 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>
	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>
2	<b>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol</b>			- <b>911-490-9</b>
	oral	Long term (chronic)	systemic	0.5 mg/kg/day
	dermal	Long term (chronic)	systemic	0.5 mg/kg/day
	inhalative	Long term (chronic)	systemic	1.74 mg/m <sup>3</sup>
3	<b>ethylene dimethacrylate</b>			<b>97-90-5</b> <b>202-617-2</b>
	oral	Long term (chronic)	systemic	0.83 mg/kg/day
	dermal	Long term (chronic)	systemic	0.83 mg/kg/day
	inhalative	Long term (chronic)	systemic	1.45 mg/m <sup>3</sup>

#### PNEC values

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	methyl-methacrylate		80-62-6 201-297-1	
	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	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol		- 911-490-9	
	water	fresh water	0.048	mg/L
	water	marine water	0.005	mg/L
	water	fresh water sediment	1.2	mg/kg dry weight
	water	marine water sediment	0.12	mg/kg dry weight
	soil	-	0.21	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
3	ethylene dimethacrylate		97-90-5 202-617-2	
	water	marine water	0.014	mg/L
	water	fresh water	0.139	mg/L
	water	marine water sediment	0.16	mg/kg dry weight
	water	fresh water sediment	1.6	mg/kg dry weight
	soil	-	0.239	mg/kg dry weight
	sewage treatment plant	-	57	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

Normal chemical work clothing.

#### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

## 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
liquid	
<b>Form/Colour</b>	
liquid	
colourless, slightly cloudy	
<b>Odour</b>	
strong; of methyl methacrylate	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	100.3 °C
Reference pressure	1013 hPa
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	11.5 °C
Method	DIN 51755
Reference substance	Methyl methacrylate
<b>Ignition temperature</b>	
Value	430 °C
Method	DIN 51794
Reference substance	Methyl methacrylate
<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 temperature	20 °C
Reference substance	Methyl methacrylate
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	1.01 g/cm <sup>3</sup>
Reference temperature	25 °C
Method	DIN 53217

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

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	Nonylbenzoate, branched and linear	670241-72-2	-
log Pow		6.1 - 6.4	
Reference temperature		22 °C	
Method		OECD 117	
Source		ECHA	
3	Reaction mass of 2,2'-[[4-methylphenyl]imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
log Pow		2.17	
Reference temperature		20 °C	
Method		OECD 117	
Source		ECHA	
4	ethylene dimethacrylate	97-90-5	202-617-2
log Pow		2.4	
Reference temperature		20 °C	
Method		OECD 117	
Source		ECHA	

Kinematic viscosity	
Value	180 - 240 mPa*s
Reference temperature	25 °C
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

No data available.

### 10.4 Conditions to avoid

None, if handled according to intended use.

### 10.5 Incompatible materials

Amines; Oxidizing agents; Reducing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.



Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	WIDOCRYL-Primer PM
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
LD50		619	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	ethylene dimethacrylate	97-90-5	202-617-2
LD50		8300	mg/kg bodyweight
Species	appr. rat		
Method	OECD		
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 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
LD50		> 2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
3	ethylene dimethacrylate	97-90-5	202-617-2
LD50		> 2001	mg/kg bodyweight
Species	rat		
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.

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

1	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
Species	Human		
Method	OECD 439		
Source	ECHA		
Evaluation	irritant		

**Serious eye damage/irritation**

No	Substance name	CAS no.	EC no.
1	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irreversible effects on the eye		

**Respiratory or skin sensitisation**

No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
2	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	sensitizing		
3	ethylene dimethacrylate	97-90-5	202-617-2
Route of exposure	Skin		
Species	mouse		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		
Evaluation/classification	Based on available data, the classification criteria are met.		

**Germ cell mutagenicity**

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.		
2	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
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.
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Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

1	methyl-methacrylate	80-62-6	201-297-1
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
1	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>Aspiration hazard</b>			
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		
Source	ECHA		
2	Nonylbenzoate, branched and linear	670241-72-2	-
LC50	>=	1.23	mg/l
Duration of exposure		96	h
Species	Cyprinus carpio		
Method	OECD 203		
Source	ECHA		
3	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Cyprinus carpio		
Method	OECD 203		
Source	ECHA		
4	ethylene dimethacrylate	97-90-5	202-617-2
LC50		15.95	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
<b>Toxicity to fish (chronic)</b>			
No	Substance name	CAS no.	EC no.

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

1	Nonylbenzoate, branched and linear	670241-72-2	-
NOEC		0.0428	mg/l
Duration of exposure		33	day(s)
Species	Danio rerio		
Method	OECD 210		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
EC50		69	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Nonylbenzoate, branched and linear	670241-72-2	-
EC50		>	2.2 mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
EC50		48	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
4	ethylene dimethacrylate	97-90-5	202-617-2
EC50		44.9	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EU Method C.2		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	methyl-methacrylate	80-62-6	201-297-1
NOEC		37	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
2	Nonylbenzoate, branched and linear	670241-72-2	-
NOEC		>=	0.078 mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
3	ethylene dimethacrylate	97-90-5	202-617-2
NOEC		5.05	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	methyl-methacrylate	80-62-6	201-297-1

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

EC50	>	110	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD 201		
Source	ECHA		
<b>2</b>	<b>Nonylbenzoate, branched and linear</b>	<b>670241-72-2</b>	<b>-</b>
ErC50	>	1	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
<b>3</b>	<b>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol</b>	<b>-</b>	<b>911-490-9</b>
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
<b>4</b>	<b>ethylene dimethacrylate</b>	<b>97-90-5</b>	<b>202-617-2</b>
EC50		17.3	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		

**Toxicity to algae (chronic)**

No data available

**Bacteria toxicity**

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethylene dimethacrylate</b>	<b>97-90-5</b>	<b>202-617-2</b>
EC50		570	mg/l
Duration of exposure		3	h
Species	Pseudomonas putida		
Method	OECD 209		
Source	ECHA		

**12.2 Persistence and degradability**

<b>Biodegradability</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>
Value		94	%
Duration		14	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		
<b>2</b>	<b>Nonylbenzoate, branched and linear</b>	<b>670241-72-2</b>	<b>-</b>
Type	aerobic biodegradation		
Value		89	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		
<b>3</b>	<b>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol</b>	<b>-</b>	<b>911-490-9</b>
Type	aerobic biodegradation		
Value		1.5	%

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

Duration	29	day(s)
Method	OECD 301 B	
Source	ECHA	
Evaluation	not readily biodegradable	
<b>4</b>	<b>ethylene dimethacrylate</b>	<b>97-90-5</b> <b>202-617-2</b>
Value	69	%
Duration	28	d
Method	OECD 301 F	
Source	ECHA	
Evaluation	The test material is readily biodegradable but failed the 10-day window requirement according to the definitions of OECD Guideline 301E.	

**12.3 Bioaccumulative potential**

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	ethylene dimethacrylate	97-90-5	202-617-2
BCF		21.9	
Method		Calculation model used (Q)SAR	
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
log Pow		1.38	
Reference temperature		20 °C	
Source		ECHA	
2	Nonylbenzoate, branched and linear	670241-72-2	-
log Pow		6.1 - 6.4	
Reference temperature		22 °C	
Method		OECD 117	
Source		ECHA	
3	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	-	911-490-9
log Pow		2.17	
Reference temperature		20 °C	
Method		OECD 117	
Source		ECHA	
4	ethylene dimethacrylate	97-90-5	202-617-2
log Pow		2.4	
Reference temperature		20 °C	
Method		OECD 117	
Source		ECHA	

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and 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 discharge product unmonitored into the environment.

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

**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 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**

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.

Trade name: WIDOCRYL-Primer PM

Current version : 5.0.0, issued: 14.06.2022

Replaced version: 4.3.0, issued: 11.06.2021

Region: GB

**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	ethylene dimethacrylate	97-90-5	202-617-2	75
2	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**

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.

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.
H318	Causes serious eye damage.
H411	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'.

**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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