

Trade name: WIDOCRYL-Roller Coating

Current version : 4.0.0, issued: 08.01.2025

Replaced version: 3.0.1, issued: 13.09.2024

Region: GB

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

1.1 Product identifier

Trade name

WIDOCRYL-Roller Coating

Form

Contains Nanoforms

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

Relevant identified uses of the substance or mixture
coating

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.

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2.2 Label elements**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-ethylhexyl acrylate
 2,2'-ethylenedioxydiethyl dimethacrylate

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, 2-(N-methyl-p-toluidino)ethanol, 2-(2H-benzotriazol-2-yl)-p-cresol, Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol, dodecane-1-thiol. 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 vapours/spray.
 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**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 %

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1	methyl-methacrylate			
	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	Quartz (SiO₂)			
	14808-60-7 238-878-4 - -	STOT RE 2; H373i	>= 5.00 - < 10.00	wt%
3	2-ethylhexyl acrylate			
	103-11-7 203-080-7 607-107-00-7 01-2119453158-37	Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335	>= 5.00 - < 10.00	wt%
4	2,2'-ethylenedioxydiethyl dimethacrylate			
	109-16-0 203-652-6 - 01-2119969287-21	Skin Sens. 1B; H317	< 2.50	wt%
5	2-Hydroxyethyl methacrylate			
	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	< 0.50	wt%
6	2-(N-methyl-p-toluidino)ethanol			
	2842-44-6 220-638-5 - 01-2120827830-56	Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	< 0.50	wt%
7	2-(2H-benzotriazol-2-yl)-p-cresol			
	2440-22-4 219-470-5 - 01-2119583811-34	Aquatic Chronic 1; H410 Skin Sens. 1B; H317	> 0.10 - < 0.25	wt%
8	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol			
	- 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	< 0.50	wt%
9	dodecane-1-thiol			
	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	< 0.10	wt%
10	Silicon dioxide (amorphous)			
	112945-52-5 231-545-4 - 01-2119379499-16	-	>= 10.00 - < 25.00	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

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

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7	-	-	-	M = 1
9	-	-	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)".

No	Route, target organ, concrete effect
2	H373i inhalational; -; -

3.3 Other information

112945-52-5 Silicon dioxide, chemically obtained: spheroidal nanoform, the size of the primary structures is in the range of 2.5 - 50 nm (d50, number-based). The primary structures occur as aggregates without phase boundaries, loosely coalescing into agglomerates.

Crystallinity: Amorphous

Specific surface area: 200 m²/g

No surface treatment

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

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 (CO₂); 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.

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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**

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**

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.

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	methyl-methacrylate	80-62-6	201-297-1
	2009/161/EU		
	methyl methacrylate		
	WEL short-term (15 min reference period)		100 ppm

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	WEL long-term (8-hr TWA reference period)		50	ppm
List of approved workplace exposure limits (WELs) / EH40				
Methyl methacrylate				
	WEL short-term (15 min reference period)	416	mg/m ³	100 ppm
	WEL long-term (8-hr TWA reference period)	208	mg/m ³	50 ppm
2	Silicon dioxide (amorphous)	112945-52-5		231-545-4
List of approved workplace exposure limits (WELs) / EH40				
Silica, amorphous inhalable dust				
	WEL long-term (8-hr TWA reference period)	6	mg/m ³	
List of approved workplace exposure limits (WELs) / EH40				
Silica, amorphous respirable dust				
	WEL long-term (8-hr TWA reference period)	2.4	mg/m ³	
3	Quartz (SiO₂)	14808-60-7		238-878-4
2004/37/EC				
Respirable crystalline silica dust				
	WEL long-term (8-hr TWA reference period)	0,1 (9)	mg/m ³	

DNEL, DMEL and PNEC values**DNEL 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 (acute)	local	1.5	mg/cm ²
	dermal	Long term (chronic)	systemic	13.67	mg/kg
	dermal	Long term (chronic)	local	1.5	mg/cm ²
	inhalative	Long term (chronic)	systemic	348.4	mg/m ³
	inhalative	Long term (chronic)	local	208	mg/m ³
	inhalative	Short term (acute)	local	416	mg/m ³
2	2-ethylhexyl acrylate			103-11-7 203-080-7	
	dermal	Short term (acute)	local	0.242	mg/cm ²
	inhalative	Short term (acute)	local	37.5	mg/m ³
	inhalative	Long term (chronic)	local	37.5	mg/m ³
3	2,2'-ethylenedioxydiethyl dimethacrylate			109-16-0 203-652-6	
	dermal	Long term (chronic)	systemic	13.9	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	48,5	mg/m ³
4	2-(2H-benzotriazol-2-yl)-p-cresol			2440-22-4 219-470-5	
	dermal	Long term (chronic)	systemic	2.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	1	mg/m ³
	inhalative	Short term (acute)	systemic	1	mg/m ³
	inhalative	Long term (chronic)	local	1	mg/m ³

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 (acute)	local	1.5	mg/cm ²
	dermal	Long term (chronic)	systemic	8.2	mg/kg
	dermal	Long term (chronic)	local	1.5	mg/cm ²
	inhalative	Long term (chronic)	systemic	74.3	mg/m ³
	inhalative	Long term (chronic)	local	104	mg/m ³
	inhalative	Short term (acute)	local	208	mg/m ³

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2	2-ethylhexyl acrylate			103-11-7 203-080-7
	dermal	Short term (acut)	local	0.242 mg/cm ²
	inhalative	Short term (acut)	local	4.5 mg/m ³
	inhalative	Long term (chronic)	local	4.5 mg/m ³
3	2,2'-ethylenedioxydiethyl dimethacrylate			109-16-0 203-652-6
	oral	Long term (chronic)	systemic	8,33 mg/kg bw/day
	dermal	Long term (chronic)	systemic	8,33 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	14,5 mg/m ³
4	2-(2H-benzotriazol-2-yl)-p-cresol			2440-22-4 219-470-5
	oral	Long term (chronic)	systemic	1.2 mg/kg/day
	dermal	Long term (chronic)	systemic	1.2 mg/kg/day

PNEC values

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	0.094 mg/L
	water	fresh water sediment	10.2 mg/kg
	water	marine water sediment	1.02 mg/kg dry weight
	soil	-	1.48 mg/kg dry weight
	sewage treatment plant	-	10 mg/L
2	2-ethylhexyl acrylate		103-11-7 203-080-7
	water	fresh water	0.00272 mg/L
	water	marine water	0.00027 mg/L
	water	fresh water sediment	0.126 mg/kg
	soil	-	1 mg/kg
	sewage treatment plant	-	2.3 mg/L
3	2,2'-ethylenedioxydiethyl dimethacrylate		109-16-0 203-652-6
	water	fresh water	0,016 mg/L
	water	marine water	0.002 mg/L
	soil	-	0,027 mg/kg dry weight
	sewage treatment plant	-	1.7 mg/L
4	2-(2H-benzotriazol-2-yl)-p-cresol		2440-22-4 219-470-5
	water	fresh water	0 mg/L
	water	marine water	0 mg/L
	water	fresh water sediment	0.136 mg/kg dry weight
	water	marine water sediment	0.014 mg/kg dry weight
	soil	-	100 mg/kg dry weight
	sewage treatment plant	-	1 mg/L

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment

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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.

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**

State of aggregation	
liquid	
Colour	
color pigmented	
Odour	
of acrylate	
pH value	
reason for missing pH	substance/mixture is non-soluble (in water)
Boiling point / boiling range	
Value	101 °C
Reference substance	Methyl methacrylate
Melting point/freezing point	
Value	-48 °C
Reference substance	Methyl methacrylate
Decomposition temperature	
No data available	
Flash point	
Value	12 °C
Reference substance	Methyl methacrylate
Ignition temperature	
No data available	
Flammability	
No data available	
Lower explosion limit	
Value	2.1 % vol
Reference substance	Methyl methacrylate

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Upper explosion limit	
Value	12.5 % vol
Reference substance	Methyl methacrylate

Vapour pressure	
Value	38.7 mbar
Reference substance	Methyl methacrylate

Relative vapour density	
No data available	

Relative density	
No data available	

Density	
No data available	

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	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
	log Pow		4.2
	Reference temperature		25 °C
	with reference to	pH: 6.3	
	Method	OECD 107	
	Source	ECHA	

Kinematic viscosity	
No data available	

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

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Heat, naked flames and other ignition sources. Protect from light.

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	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
LD50		10000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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		

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		
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
LC50		> 0.59	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
Duration of exposure		72	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Duration of exposure		24	h
Species	rat		
Method	US FDA - Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics		
Source	ECHA		

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Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Species		rabbit	
Method		OECD 405	
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.
1	methyl-methacrylate	80-62-6	201-297-1
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	
2	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	
Evaluation/classification		Based on available data, the classification criteria are met.	
3	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Route of exposure		Skin	
Species		Guinea pig	
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	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Type of examination		in vitro gene mutation study in mammalian cells	
Species		Chinese hamster Ovary (CHO)	
Method		OECD 476	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Type of examination		in vitro gene mutation study in bacteria	
Species		S. typhimurium TA 1535, TA 1537, TA 98 and TA 100	
Method		OECD 471	
Source		ECHA	

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Evaluation/classification	Based on 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	hamster
Method	OECD 474
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
Route of exposure	oral
Type of examination	Mammalian bone marrow micronucleus (in vivo)
Species	hamster
Method	OECD 475
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Route of exposure		oral	
NOEL		>= 300	mg/kg bw/d
Type of examination		Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	
Species		rat	
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		oral	
NOEL		>= 1000	mg/kg bw/d
Type of examination		Prenatal Developmental Toxicity Study	
Species		rat	
Method		OECD 414	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

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.	
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Route of exposure		oral	
NOEL		>= 3000	ppm
Duration of exposure		104	week/s
Species		rat	
Method		OECD 452	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		oral	
NOEL		500	ppm
Duration of exposure		24	months
Species		mouse	
Method		OECD 451	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure

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No data available

STOT - repeated exposure

No	Substance name	CAS no.	EC no.
1	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Route of exposure		oral	
NOEL		1000	ppm
Duration of exposure		90	day(s)
Species		dog	
Method		OECD 409	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard

No data available

Endocrine disrupting properties

No data available

11.2 Information on other hazards**Other information**

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	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	
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
LC50		>	0.17 mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	

Toxicity to fish (chronic)

No data available

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		EPA OTS 797.1300	
Source		ECHA	
2	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
EC50		>	1000 mg/l
Duration of exposure		24	h
Species		Daphnia magna	

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Method	OECD 202
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	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
NOEC		32	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
3	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
NOEC		0.013	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
EC50	>	110	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
2	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		
3	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
ErC50	>	82.2	µg/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.
1	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
EC50	>	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.

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1	methyl-methacrylate	80-62-6	201-297-1
Type	aerobic biodegradation		
Value		94	%
Duration		14	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		
2	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
Type	aerobic biodegradation		
Value		85	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		
3	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Type	aerobic biodegradation		
Value		2	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
BCF		1456 - 1623	
Species	Oncorhynchus mykiss		
Method	OECD 305		
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	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6
log Pow		2.3	
Method	OECD 117		
Source	ECHA		
3	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
log Pow		4.2	
Reference temperature		25	°C
with reference to	pH: 6.3		
Method	OECD 107		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
WIDOCRYL-Roller Coating	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Endocrine disrupting properties

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No data available.

12.7 Other adverse effects

No data available.

12.8 Other information**Other information**

Do not discharge product unmonitored into the environment.

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 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
ICAO-TI / IATA	Resin solution

14.3 Transport hazard class(es)

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

14.4 Packing group

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

14.5 Environmental hazards

EmS	F-E, S-E
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14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

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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	2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	203-652-6	75
2	2-ethylhexyl acrylate	103-11-7	203-080-7	75
3	2-Hydroxyethyl methacrylate	868-77-9	212-782-2	75
4	mequinol	150-76-5	205-769-8	75
5	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.
H373i	May cause damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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)

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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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