

Trade name: WIDOCRYL-WT UV-Resistant

Current version : 1.1.0, issued: 07.03.2018

Replaced version: 1.0.0, issued: 10.08.2015

Region: GB

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

1.1 Product identifier

Trade name

WIDOCRYL-WT UV-Resistant

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

Relevant identified uses of the substance or mixture

Sealants

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Widopan Produkte GmbH
Ostereichen 3
D-21714 Hammah

Telephone no. +49 (0) 4144 69821-0

Fax no. +49 (0) 4144 69821-20

Information provided by / telephone

+49 (0) 4144 69821-0

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2; H411

Flam. Liq. 2; H225

Skin Irrit. 2; H315

Skin Sens. 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



GHS09

Signal word

Danger

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Hazardous component(s) to be indicated on label:

methyl-methacrylate
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
2-(2H-benzotriazol-2-yl)-p-cresol
dodecane-1-thiol

Hazard statement(s)

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208	Contains 2-Hydroxyethyl methacrylate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, 2,2'-ethylenedioxydiethyl dimethacrylate. May produce an allergic reaction.
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Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P261	Avoid breathing vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

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

Mixture (preparation)

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Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
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	>= 50.00 - < 70.00	%-b.w.
2	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate			
	41556-26-7 255-437-1 - -	Aquatic Acute 1; H400 Skin Sens. 1; H317 Aquatic Chronic 1; H410	< 5.00	%-b.w.
3	2-(2H-benzotriazol-2-yl)-p-cresol			
	2440-22-4 219-470-5 - -	Aquatic Chronic 4; H413 Skin Sens. 1; H317	< 5.00	%-b.w.
4	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	< 2.50	%-b.w.
5	dodecane-1-thiol			
	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.
6	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate			
	82919-37-7 280-060-4 - -	Aquatic Acute 1; H400 Skin Sens. 1; H317 Aquatic Chronic 1; H410	< 2.50	%-b.w.
7	2,2'-ethylenedioxydiethyl dimethacrylate			
	109-16-0 203-652-6 - 01-2119969287-21	Skin Sens. 1B; H317	< 2.50	%-b.w.

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)".

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.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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

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.

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

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	208 mg/m ³
	inhalative	Long term (chronic)	local	208 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
	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

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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	0.94 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

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory filter (gas) : A

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

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

Form/Colour	
liquid; Viscous	
pigmented	
Odour	
of acrylate	
Odour threshold	
Value	0.05 ppm
pH value	
No data available	
Boiling point / boiling range	
Value	101 °C
Reference substance	Methyl methacrylate
Melting point / melting range	
Value	-48 °C
Reference substance	Methyl methacrylate

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Decomposition point / decomposition range	
No data available	
Flash point	
Value	12 °C
Reference substance	Methyl methacrylate
Auto-ignition temperature	
No data available	
Oxidising properties	
No data available	
Explosive properties	
No data available	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
Value	2.1 % vol
Reference substance	Methyl methacrylate
Upper flammability or explosive limits	
Value	12.5 % vol
Reference substance	Methyl methacrylate
Vapour pressure	
Value	38.7 mbar
Reference substance	Methyl methacrylate
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
No data available	
Density	
Value	1.23 g/cm ³
Reference temperature	25 °C
Solubility in water	
Remarks	insoluble
Solubility(ies)	
No data available	
Partition coefficient: n-octanol/water	
No data available	
Viscosity	
Value	300 - 700 mPa*s
Reference temperature	25 °C
Type	kinematic

9.2 Other information

Other information
No data available.

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SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable if stored and handled properly.

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

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

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 toxicological effects

Acute oral toxicity	
No data available	

Acute dermal toxicity	
No data available	

Acute inhalational toxicity			
No	Product Name		
LC50		4632	ppm
Duration of exposure		4	h
Species	rat		
Reference substance	Methyl methacrylate		

Skin corrosion/irritation	
No	Product Name
1	WIDOCRYL-WT UV-Resistant
Evaluation	irritant

Serious eye damage/irritation	
No data available	

Respiratory or skin sensitisation	
No	Product Name
1	WIDOCRYL-WT UV-Resistant
Route of exposure	Skin
Evaluation	sensitizing

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Germ cell mutagenicity
No data available
Reproduction toxicity
No data available
Carcinogenicity
No data available
STOT - single exposure
No data available
STOT - repeated exposure
No data available
Aspiration hazard
No data available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Inhalation of vapours may lead to headache, drowsiness and dizziness. Irritating effects on the skin and mucous membrane. Irritating to eyes. Irritates respiratory tract. Possibility of sensitisation through skin contact.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	219-470-5
Value	1	- 2	%
Duration		28	day(s)
Evaluation	not readily biodegradable		

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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

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

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

Packaging

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	640C
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:	E2, P5b
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If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

15.2 Chemical safety assessment

No data available.

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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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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'.

Department issuing safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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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