

Trade name: WIDOCRYL-SV

Current version : 2.0.0, issued: 21.06.2022

Replaced version: 1.4.0, 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-SV

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

Relevant identified uses of the substance or mixture

Binding agent

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Widopan Produkte GmbH

Ostereichen 3

D-21714 Hammah

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

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

Information provided by / telephone

+49 (0) 4144 69821-0

Advice on Safety Data Sheet

sdb_info@umco.de

Details of the importer

Address

Widopan Limited

System House

Horndon Industrial Park

24 Station Rd

West Horndon

Brentwood

CM13 3XL

1.4 Emergency telephone number

For medical advice (in German and English):

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Aquatic Chronic 3; H412

Flam. Liq. 2; H225

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT SE 3; H335

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

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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

Hazard statement(s)

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

Hazard statements (EU)

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

Precautionary statement(s)

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

2.3 Other hazards

PBT assessment
 No data available.

vPvB assessment
 No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

| No | Substance name | | Additional information | |
|----|--|--|------------------------|-----|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | methyl-methacrylate | | | |
| | 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 | 2,2'-ethylenedioxydiethyl dimethacrylate | | | |

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| | | | | |
|---|--|--|--------|-----|
| | 109-16-0 203-652-6 - 01-2119969287-21 | Skin Sens. 1B; H317 | < 2.50 | wt% |
| 3 | 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 | < 1.00 | wt% |
| 4 | 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 | < 1.00 | wt% |
| 5 | 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 | < 0.50 | wt% |

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

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|-------------------------------|------------------|--------------------|
| 1 | D | - | - | - |
| 2 | D | - | - | - |
| 5 | - | - | M = 10 | M = 10 |

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

| Acute toxicity estimate (ATE) values | | | |
|--------------------------------------|----------------------|--------|------------|
| No | oral | dermal | inhalative |
| 4 | 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. Take medical treatment.

After skin contact

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

After eye contact

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

After ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

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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 mixtureIn 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.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

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

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Wash hands before breaks and after work. Use barrier skin cream. Provide eye wash fountain in work area. Have emergency shower available.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

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

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Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. Fill containers only up to 80%, because oxygen (air) is necessary for stabilization.

Incompatible products

Do not store together with fire promoting substances.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

| No | Substance name | CAS no. | EC no. |
|----|---|-----------------------|------------------|
| 1 | methyl-methacrylate | 80-62-6 | 201-297-1 |
| | 2009/161/EU | | |
| | methyl methacrylate | | |
| | WEL short-term (15 min reference period) | | 100 ppm |
| | WEL long-term (8-hr TWA reference period) | | 50 ppm |
| | 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 |

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 (acut) | 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 |
| 2 | 2,2'-ethylenedioxydiethyl dimethacrylate | | | 109-16-0 203-652-6 |
| | dermal | Long term (chronic) | systemic | 13.9 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 48,5 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 (acut) | 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 |
| 2 | 2,2'-ethylenedioxydiethyl dimethacrylate | | | 109-16-0 203-652-6 |
| | 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 ³ |

PNEC values

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| 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 | 2,2'-ethylenedioxydiethyl dimethacrylate | | 109-16-0 203-652-6 | |
| | water | fresh water | 0,16 | mg/L |
| | water | marine water | 0.002 | mg/L |
| | water | fresh water sediment | 0.185 | mg/kg dry weight |
| | water | marine water sediment | 0.018 | mg/kg dry weight |
| | soil | - | 0,027 | mg/kg dry weight |
| | sewage treatment plant | - | 1.7 | mg/L |

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

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

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

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

Appropriate Material butyl rubber

Other

fire-resistant protective clothing

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| |
|-----------------------------|
| State of aggregation |
| liquid |
| Form/Colour |
| liquid |
| colourless |
| Odour |
| of acrylate |

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| Odour threshold | | | |
|--|--|----------|-------------------|
| Value | | 0.05 | ppm |
| pH value | | | |
| No data available | | | |
| 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 | | |
| 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 | | | |
| Value | | 1.0 | g/cm ³ |
| Reference temperature | | 25 | °C |
| 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-Hydroxyethyl methacrylate | 868-77-9 | 212-782-2 |

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| | |
|-----------------------|---|
| log Pow | 0.42 |
| Reference temperature | 25 °C |
| Method | OECD 107 |
| Source | ECHA |
| 4 | 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 |

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

| | |
|---------------------------------|--|
| Particle characteristics | |
| No data available | |

9.2 Other information

| | |
|--------------------------|--|
| Other information | |
| No data available. | |

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

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

10.5 Incompatible materials

Peroxides; Amines; Azo compounds; Heavy metals; Oxidizing agents; Reducing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| Acute oral toxicity | | | |
|----------------------------|---|---------|------------------|
| No | Substance name | CAS no. | EC no. |
| 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 | | |

| Acute dermal toxicity | | | |
|------------------------------|----------------|---------|--------|
| No | Substance name | CAS no. | EC no. |

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| 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 | | |

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. |
|---------------------------|---|----------|-----------|
| 1 | 2,2'-ethylenedioxydiethyl dimethacrylate | 109-16-0 | 203-652-6 |
| Duration of exposure | | 24 | h |
| Species | rabbit | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| 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 |
| Species | Human | | |
| Method | OECD 439 | | |
| Source | ECHA | | |
| Evaluation | irritant | | |

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 | 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 | | |

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| | |
|---------------------------|--|
| 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 | 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 |

| 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 |
| Duration of exposure | | 4 | h |
| Type of examination | in vitro gene mutation study in mammalian cells | | |
| Species | Chinese hamster lung (CHL) | | |
| Method | OECD 476 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 3 | 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. |
| 1 | methyl-methacrylate | 80-62-6 | 201-297-1 |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| STOT - single exposure | |
|------------------------|--|
| No data available | |

| STOT - repeated exposure | | | |
|---------------------------|---|---------|-----------|
| 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. | | |

| Aspiration hazard | |
|-------------------|--|
| | |

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No data available

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

| Toxicity to fish (acute) | | | |
|---------------------------------|--|-----------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 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 | 2,2'-ethylenedioxydiethyl dimethacrylate | 109-16-0 | 203-652-6 |
| LC50 | | 16.4 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Danio rerio | | |
| Method | OECD 203 | | |
| Source | ECHA | | |
| 3 | 2-Hydroxyethyl methacrylate | 868-77-9 | 212-782-2 |
| LC50 | > | 100 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Oryzias latipes | | |
| Method | OECD 203 | | |
| Source | ECHA | | |
| 4 | 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 | | |

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 | OECD 202 | | |
| Source | ECHA | | |
| 2 | 2-Hydroxyethyl methacrylate | 868-77-9 | 212-782-2 |
| EC50 | | 380 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |

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| | | | |
|----------------------|--|----|------------------|
| 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 | | |

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 | | |

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 | Selenastrum capricornutum | | |
| 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 | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| 3 | 2-Hydroxyethyl methacrylate | 868-77-9 | 212-782-2 |
| EC50 | | 836 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| 4 | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol | - | 911-490-9 |
| EC50 | > | 100 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

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| Biodegradability | | | |
|------------------|---|---------------------------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | methyl-methacrylate | 80-62-6 | 201-297-1 |
| | 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 | |
| 3 | 2-Hydroxyethyl methacrylate | 868-77-9 | 212-782-2 |
| | Type | BOD | |
| | Value | 92 | % |
| | Duration | 14 | day(s) |
| | Method | OECD 301 C | |
| | Source | ECHA | |
| | Evaluation | readily biodegradable | |
| 4 | Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol | - | 911-490-9 |
| | Type | aerobic biodegradation | |
| | Value | 1.5 | % |
| | Duration | 29 | day(s) |
| | Method | OECD 301 B | |
| | Source | ECHA | |
| | Evaluation | not readily biodegradable | |

12.3 Bioaccumulative potential

| 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-Hydroxyethyl methacrylate | 868-77-9 | 212-782-2 |
| | log Pow | 0.42 | |
| | Reference temperature | 25 | °C |
| | Method | OECD 107 | |
| | Source | ECHA | |
| 4 | 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 | |

12.4 Mobility in soil

No data available.

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12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|--------------------|
| PBT assessment | No data available. |
| vPvB assessment | No data available. |

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

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

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

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

14.2 Transport IMDG

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

14.3 Transport ICAO-TI / IATA

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

14.4 Other information

No data available.

14.5 Environmental hazards

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

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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

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

| No | Substance name | CAS no. | EC no. | No |
|----|-----------------------------|----------|-----------|----|
| 1 | 2-Hydroxyethyl methacrylate | 868-77-9 | 212-782-2 | 75 |
| 2 | mequinol | 150-76-5 | 205-769-8 | 75 |
| 3 | methyl-methacrylate | 80-62-6 | 201-297-1 | 75 |

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: P5b

15.2 Chemical safety assessment

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

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

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

| | |
|------|---|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

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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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