

Trade name: WIDOCRYL-PM varnish, clear

Current version : 4.0.0, issued: 19.12.2024

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-PM varnish, clear

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

Relevant identified uses of the substance or mixture

sealing

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)

Acute Tox. 4; H302

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
 1,1'-(p-tolylimino)dipropan-2-ol
 2,2'-ethylenedioxydiethyl dimethacrylate

Hazard statement(s)

H225 Highly flammable liquid and vapour.
 H302 Harmful if swallowed.
 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-(2H-benzotriazol-2-yl)-p-cresol. May produce an allergic reaction.

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/protective clothing/eye protection.
 P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

PBT assessment

According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered PBT.

vPvB assessment

According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered vPvB.

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

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| 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 | >= 70.00 - < 90.00 | wt% |
| 2 | 2-ethylhexyl acrylate | | | |
| | 103-11-7 203-080-7 607-107-00-7 01-2119453158-37 | Skin Irrit. 2; H315 Skin Sens. 1B; H317 STOT SE 3; H335 Aquatic Chronic 3; H412 | >= 5.00 - < 10.00 | wt% |
| 3 | 1,1'-(p-tolylimino)dipropen-2-ol | | | |
| | 38668-48-3 254-075-1 - 01-2119980937-17 | Acute Tox. 2; H300 Aquatic Chronic 3; H412 Eye Irrit. 2; H319 | < 5.00 | wt% |
| 4 | 2,2'-ethylenedioxydiethyl dimethacrylate | | | |
| | 109-16-0 203-652-6 - 01-2119969287-21 | Skin Sens. 1B; H317 | < 5.00 | wt% |
| 5 | 2-(2H-benzotriazol-2-yl)-p-cresol | | | |
| | 2440-22-4 219-470-5 - 01-2119583811-34 | Aquatic Chronic 1; H410 Skin Sens. 1B; H317 | >= 0.25 - < 1.00 | 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 | - | - | - |
| 2 | D | - | - | - |
| 4 | D | - | - | - |
| 5 | - | - | - | M = 1 |

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 | 26 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

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

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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.

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

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

Advice on protection against fire and explosion

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

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

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep in a cool place, heat causes increase in pressure and risk of bursting.

Recommended storage temperature

Value 5 - 25 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. 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 |
| | 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 (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 | |
| | inhalative | Long term (chronic) | local | 38 | mg/m ³ |
| | inhalative | Short term (acute) | local | 38 | mg/m ³ |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | | | 38668-48-3 254-075-1 | |

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| | | | | | |
|---|---|---------------------|----------|--------------------------------------|-------------------|
| | dermal | Long term (chronic) | systemic | 0.70 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 2.47 | mg/m ³ |
| 4 | 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 |
| 5 | 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 (acut) | 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 (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 |
| | inhalative | Short term (acut) | local | 208 | mg/m ³ |
| 2 | 1,1'-(p-tolylimino)dipropan-2-ol | | | 38668-48-3 254-075-1 | |
| | oral | Long term (chronic) | systemic | 0.25 | mg/kg/day |
| 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 | 2.72 | µg/L |
| | water | marine water | 0.272 | µg/L |
| | water | fresh water sediment | 0.108 | mg/kg dry weight |
| | water | marine water sediment | 10.8 | µg/kg dry weight |

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| | | | | |
|---|---|-----------------------|---------------------------------------|------------------|
| | soil | - | 1 | mg/kg dry weight |
| | sewage treatment plant | - | 2.3 | mg/L |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | | 38668-48-3 254-075-1 | |
| | water | fresh water | 0.13 | mg/L |
| | water | fresh water sediment | 4.38 | mg/kg dry weight |
| | water | marine water | 0.013 | mg/L |
| | water | marine water sediment | 0.438 | mg/kg dry weight |
| | soil | - | 0.798 | mg/kg |
| | sewage treatment plant | - | 3 | mg/L |
| 4 | 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 |
| 5 | 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

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.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

| | |
|--------------------------------------|---|
| State of aggregation | |
| liquid | |
| Form | |
| liquid | |
| Colour | |
| violet | |
| Odour | |
| of acrylate | |
| Odour threshold | |
| Value | 0.05 ppm |
| Source | supplier |
| pH value | |
| reason for missing pH | substance/mixture is non-soluble (in water) |
| Boiling point / boiling range | |
| Value | 101 °C |
| Method | DIN 51751 |
| Reference substance | Methyl methacrylate |
| Melting point/freezing point | |
| Value | -48 °C |
| Reference substance | Methyl methacrylate |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| Value | 10 °C |
| Source | supplier |
| 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 | 37 hPa |
| Reference temperature | 20 °C |
| Reference substance | Methyl methacrylate |
| Source | supplier |
| Relative vapour density | |
| No data available | |
| Relative density | |
| No data available | |

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| Density | |
|---------|------------------------------|
| Value | 0.99 - 1.1 g/cm ³ |
| Source | supplier |

| 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-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| log Pow | | 4.64 | |
| Reference temperature | | 25 °C | |
| Method | | OECD 107 | |
| Source | | ECHA | |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| log Pow | | 2.1 | |
| Reference temperature | | 24 °C | |
| Method | | OECD 107 | |
| Source | | ECHA | |
| 4 | 2,2'-ethylenedioxydiethyl dimethacrylate | 109-16-0 | 203-652-6 |
| log Pow | | 2.3 | |
| Method | | OECD 117 | |
| Source | | ECHA | |
| 5 | 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 | |
|-----------------------|-----------------|
| Value | 140 - 180 mPa*s |
| Reference temperature | 25 °C |
| Type | kinematic |

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

9.2 Other information

| Other information | |
|-------------------------------|--|
| EU Directive 2004/42 | |
| < 500 g/ | |
| I | |
| VOC: 2004/42/IIA/(j)(500)<500 | |

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable if stored and handled properly.

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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 hazard classes as defined in Regulation (EC) No 1272/2008**

| Acute oral toxicity (result of the ATE calculation for the mixture) | |
|---|---|
| Product Name | |
| WIDOCRYL-PM varnish, clear | |
| ATE (Mixture) | 1040.00 mg/kg |
| Method | Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6. |

| Acute oral toxicity | | | |
|---------------------------|---|------------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | 2-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| LD50 | | 4435 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 401 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 2 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| LD50 | > 25 | - 200 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 423 | | |
| Source | ECHA | | |
| 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 |
| 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 | | |
| 2 | 2-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| LD50 | | 7522 | mg/kg bodyweight |
| Species | rabbit | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| LD50 | > | 2000 | mg/kg bodyweight |
| Species | rat | | |

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| | |
|---------------------------|---|
| Method | OECD 402 |
| Source | ECHA |
| Evaluation/classification | Based on available data, the classification criteria are not met. |

| 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 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| 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 | | 72 | h |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| 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 |
| Duration of exposure | | 24 | h |
| Species | rat | | |
| Method | US FDA - Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics | | |
| Source | ECHA | | |
| 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 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| Duration of exposure | | 24 | h |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | Irritating to eyes | | |
| Evaluation/classification | Based on available data, the classification criteria are met. | | |
| 2 | 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. | | |

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| 3 | 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 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| Route of exposure | | Skin | |
| Species | guinea pig | | |
| Method | OECD 406 | | |
| Source | ECHA | | |
| Evaluation | non-sensitizing | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| 3 | 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. | | |
| 4 | 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 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 3 | 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. | | |
| 4 | 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 | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

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| | |
|---------------------------|---|
| 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 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| 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 422 | |
| 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 |
| 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. | |

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| STOT - single exposure | | | |
|---------------------------------|--|---|-----------|
| No data available | | | |
| STOT - repeated exposure | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| 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 422 | |
| 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 |
| 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-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| LC50 | | 1.81 | mg/l |
| Duration of exposure | | 96 | h |
| Species | | Oncorhynchus mykiss | |
| Method | | OECD 203 | |
| Source | | ECHA | |
| 2 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| LC50 | | 17 | mg/l |
| Duration of exposure | | 96 | h |
| Species | | Danio rerio | |
| Source | | ECHA | |
| 3 | 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 | |
| 4 | 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 | |

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| 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-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| EC50 | | 1.3 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| EC50 | | 28.8 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |
| 4 | 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 | | |
| 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-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| NOEC | | 1.6 | mg/l |
| Duration of exposure | | 21 | day(s) |
| Species | Daphnia magna | | |
| Method | OECD 211 | | |
| Source | ECHA | | |
| 3 | 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 | | |
| 4 | 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 |

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| | | | |
|----------------------|---|-------------------|------------------|
| EC50 | > | 110 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Raphidocelis subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| 2 | 2-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| ErC50 | | 1.71 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Desmodesmus subspicatus | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| EC50 | | 245 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Desmodesmus subspicatus | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| 4 | 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 | | |
| 5 | 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. |
| 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-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| Type | aerobic biodegradation | | |
| Value | 70 | - 80 | % |
| Duration | | 28 | day(s) |
| Method | 92/69/EEC C.4-D | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |

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| | | | |
|------------|---|------------------|------------------|
| Type | aerobic biodegradation | | |
| Value | 39.1 | % | |
| Duration | 28 | day(s) | |
| Method | OECD 301 B | | |
| Source | ECHA | | |
| Evaluation | inherently biodegradable | | |
| 4 | 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 | | |
| 5 | 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-ethylhexyl acrylate | 103-11-7 | 203-080-7 |
| log Pow | | 4.64 | |
| Reference temperature | | 25 | °C |
| Method | OECD 107 | | |
| Source | ECHA | | |
| 3 | 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3 | 254-075-1 |
| log Pow | | 2.1 | |
| Reference temperature | | 24 | °C |
| Method | OECD 107 | | |
| Source | ECHA | | |
| 4 | 2,2'-ethylenedioxydiethyl dimethacrylate | 109-16-0 | 203-652-6 |
| log Pow | | 2.3 | |
| Method | OECD 117 | | |
| Source | ECHA | | |
| 5 | 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.

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12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|---|
| Product Name | |
| WIDOCRYL-PM varnish, clear | |
| PBT assessment | According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered PBT. |
| vPvB assessment | According to the information provided in the supply chain: The product contains no components with > 0.1% that are considered vPvB. |

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. |

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 UN number or ID number

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

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14.5 Environmental hazards

EmS F-E, S-E

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 | 2,2'-ethylenedioxydiethyl dimethacrylate | 109-16-0 | 203-652-6 | 75 |
| 2 | 2-ethylhexyl acrylate | 103-11-7 | 203-080-7 | 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

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product. Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

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)

| | |
|------|---|
| H300 | Fatal if swallowed. |
| H319 | Causes serious eye irritation. |
| H410 | Very toxic to aquatic life with long lasting effects. |

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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'.

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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