

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: Bauder LiquiPOCKET Resin 1kg

Article-No.: PL-42415-000-103-B

Revision date: 14.03.2022

Version: 2.0/en



Replaces version from:05.04.2019

Print date: 14.03.2022

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

1.1 Product identifier

Commercial Product Name **Bauder LiquiPOCKET Resin 1kg**

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

Relevant identified uses grout resin

Recommended restrictions Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company designation Bauder Ltd.
70 Landseer Road
Ipswich IP3 0DH
Telephone: +44 (0)1473 257671

E-mail (competent person) info@bauder.co.uk

1.4 Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only).

For medical advice, members of the public should contact NHS 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335

2.2 Label elements

Hazard pictogram



GHS02



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label

methyl methacrylate , 2-ethylhexyl acrylate

H-statement(s)

H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

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P-statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P312: Call a POISON CENTER/doctor if you feel unwell.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical characterization

Mixture with reactive acrylates

Hazardous ingredients

| Ingredient | Numbers | Classification (EC) 1272/2008 | Concentration |
|----------------------------------|---|--|-------------------------|
| methyl methacrylate | CAS No.: 80-62-6 EC-No.: 201-297-1 Index-No.: 607-035-00-6REACH No.: 01-2119452498-28-XXXX | Flam. Liq. 2; H225 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1;H317 | 25.0 - 30.0 % by weight |
| 2-ethylhexyl acrylate | CAS No.: 103-11-7 EC-No.: 203-080-7 Index-No.: 607-107-00-7REACH No.: 01-2119453158-37-XXXX | Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 3; H412 | 15.0 - 20.0 % by weight |
| aliphatic urethanacrylate | | Skin Irrit. 2; H315 Eye Irrit. 2; H319 | 5.0 - 10.0 % by weight |
| 1,1'-(p-Tolylimino)dipropyl-2-ol | CAS No.: 38668-48-3 EC-No.: 254-075-1REACH No.: 01-2119980937-17-XXXX | Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412 | 0.1 - 1.0 % by weight |
| N,N-dimethyl-p-toluidine | CAS No.: 99-97-8 EC-No.: 202-805-4 Index-No.: 612-056-00-9REACH No.: 01-2119937766-23-XXXX | Acute Tox. 3 ; H331 Acute Tox. 3 ; H311 Acute Tox. 3 ; H301 STOT RE 2 ; H373 Aquatic Chronic 3; H412 | 0.1 - 1.0 % by weight |

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.

If inhaled

Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

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| | |
|-------------------------|---|
| In case of skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, seek medical advice/attention. |
| In case of eye contact | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| If swallowed | Rinse mouth. Do NOT induce vomiting. Call a physician immediately. |

SECTION 5: Firefighting measures

5.1 Extinguishing media

| | |
|---|--|
| Suitable extinguishing media | Carbon dioxide (CO ₂), Foam, Water spray, Dry powder |
| Extinguishing media which must not be used for safety reasons | High volume water jet |

5.2 Special hazards arising from the substance or mixture

| | |
|---|---|
| Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases | Violent polymerization may be caused by: Extremes of temperature and direct sunlight. Hazardous decomposition products formed under fire conditions. |
|---|---|

5.3 Advice for firefighters

| | |
|---|---|
| Special protective equipment for firefighting | In the event of fire, wear self-contained breathing apparatus. |
| Additional information on fire fighting | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|----------------------|--|
| Personal precautions | Ensure adequate ventilation. Vapours are heavier than air and may spread along floors. Use personal protective equipment. |
|----------------------|--|

6.2 Environmental precautions

| | |
|---------------------------|--|
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. |
|---------------------------|--|

6.3 Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly. |
|-------------------------|---|

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6.5 Additional information

Other information Treat recovered material as described in the section "Disposal considerations".

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment. Keep product and empty container away from heat and sources of ignition. Handle and open container with care. Avoid contact with skin and eyes.

Precautions Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

Advice on protection against fire and explosion Take precautionary measures against static discharges. Vapours may form explosive mixture with air. Use water spray to cool unopened containers.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements Store in accordance with the particular national regulations. Keep in a cool, well ventilated place. Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

TRGS 510

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

methyl methacrylate

| Great Britain | | | | |
|-------------------------------|---|---------------------------------|---|--|
| Long-term exposure value/ ppm | Long-term exposure value/ mg/m ³ | Short-term exposure value / ppm | Short-term exposure value / mg/m ³ | Source |
| 50 | 208 | 100 | 416 | EH40/2005 Workplace exposure limits (2011) |

| Europe | | | |
|-------------------------------|---------------------------------|--------------|-----------------------|
| Long-term exposure value/ ppm | Short-term exposure value / ppm | Issuing date | Source |
| 50 | 100 | 2009/161 | DIRECTIVE 2009/161/EU |

| DNEL | Target group | Exposure route | Exposure frequency | Source |
|------------------------|--------------|----------------|----------------------------|--------------|
| 210 mg/m ³ | Workers | Inhalation | Long term effects Local | Company data |
| 210 mg/m ³ | Workers | Inhalation | Long term effects systemic | Company data |
| 1,5 mg/cm ² | Workers | Skin | Long term effects Local | Company data |

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| | | | | |
|------------------------|-----------|------------|-----------------------------|--------------|
| 13,67 mg/kg | Workers | Skin | Long term effects systemic | Company data |
| 105 mg/m ³ | Consumers | Inhalation | Long term effects Local | Company data |
| 74,3 mg/m ³ | Consumers | Inhalation | Long term effects, systemic | Company data |
| 1,5 mg/cm ² | Consumers | Skin | Long term effects Local | Company data |
| 8,2 mg/kg | Consumers | Skin | Long term effects systemic | Company data |
| 1,5 mg/cm ² | Consumers | Skin | Short-term effects Local | Company data |

| PNEC | Exposure route | Source |
|------------|----------------|--------------|
| 0,94 mg/l | freshwater | Company data |
| 0,094 mg/l | marine water | Company data |
| 5,74 mg/kg | sediment | Company data |
| 1,47 mg/kg | Soil | Company data |

2-ethylhexyl acrylate

| DNEL | Target group | Exposure route | Exposure frequency | Source |
|--------------------------|--------------|----------------|--------------------------|--------------|
| 37,5 mg/m ³ | Workers | Inhalation | Long term effects Local | Company data |
| 0,242 mg/cm ² | Workers | Skin | Long term effects Local | Company data |
| 0,242 mg/cm ² | Workers | Skin | Short-term effects Local | Company data |
| 4,5 mg/m ³ | Consumers | Inhalation | Long term effects Local | Company data |

| PNEC | Exposure route | Source |
|---------------|----------------------------|--------------|
| 0,002752 mg/l | fresh water | Company data |
| 0,000272 mg/l | seawater | Company data |
| 2,3 mg/l | wastewater treatment plant | Company data |
| 0,126 mg/kg | sediment Water | Company data |
| 0,126 mg/kg | sediment seawater | Company data |
| 1,0 mg/kg | Soil | Company data |
| 0,0023 mg/kg | Intermittent release. | Company data |

1,1`-(p-Tolylimino)dipropan-2-ol

| DNEL | Target group | Exposure route | Exposure frequency | Source |
|---------------------|--------------|----------------|--------------------|--------------|
| 2 mg/m ³ | Workers | Inhalation | Long term effects | Company data |
| 0,6 mg/kg | Workers | Skin | Long term effects | Company data |

| PNEC | Exposure route | Source |
|--------------|-----------------------|--------------|
| 199,5 mg/l | Waste water treatment | Company data |
| 0,0072 mg/kg | marine water | Company data |
| 0,017 mg/l | freshwater | Company data |

8.2 Exposure controls

Respiratory protection

In interiors and during exceeding of the air limit values carrying of protective masks is absolutely necessary.

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| | |
|---|---|
| Remarks | Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Recommended Filter type: A1, A2 (in case of higher concentration) Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). |
| Hand protection | Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. |
| Unsuitable material | woven fabric, Leather gloves |
| Suitable material | Nitrile |
| Eye protection | Tightly fitting safety goggles |
| Skin and body protection | Wear suitable protective equipment. Long sleeved clothing |
| General protective and hygiene measures | Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes. |
| Engineering measures | Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | liquid |
| Form | Liquid |
| Colour | milky |
| Odour | typic for acrylates |
| Melting point [°C] / Freezing point[°C] | not determined |
| Boiling point [°C] | > 100 °C |
| Flash point [°C] | 10 °C |
| Evaporation rate [kg/(s m ²)] | not determined |
| Explosion limits [Vol-%] | The product itself has not been tested. methyl methacrylate |
| Lower limit | 1,7 vol. % |

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| | |
|--|--|
| Upper limit | 12,5 vol. % 2-ethylhexyl acrylate |
| Lower limit | 0,9 vol. % |
| Upper limit | 6,4 vol. % |
| Vapour pressure [kPa] | not determined |
| Vapour density | not determined |
| Density [g/cm ³] | 0,96 g/cm ³ |
| Temperature [°C] | 20 °C |
| Water solubility [g/l] | |
| Remarks | insoluble |
| Partition coefficient n-octanol /water (log P O/W) | not determined |
| Autoignition temperature [°C] | not determined |
| Explosive properties | Not relevant In use, may form flammable/explosive vapour-air mixture. |
| Oxidising properties | Not relevant |

9.2 Other information

| | |
|---------------------------|--------------|
| Ignition temperature [°C] | 280 °C |
| Flow time [s] | 34 sec |
| Temperature [°C] | 20 °C |
| Measuring method | DIN cup 6 mm |

SECTION 10: Stability and reactivity

10.3 Possibility of hazardous reactions

Hazardous reactions The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution. Risk of receptacle bursting.

10.4 Conditions to avoid

Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid Reacts violently with peroxides. Reducing agents, Strong bases, Amines, Oxidizing agents

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral toxicity [mg/kg]

Hazardous ingredients

| methyl methacrylate | | | | |
|---------------------|----------------|--------------|-------------------------|--------------|
| Value | Test criterion | Test species | Measuring method | Source |
| >5000 mg/kg | LD50 | rat | OECD Test Guideline 401 | Company data |

| 2-ethylhexyl acrylate | | | | |
|-----------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| 4435 mg/kg | LD50 | rat | Company data | |

| aliphatic urethanacrylate | | | | |
|---------------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| >2001 mg/kg | LD50 | rat | Company data | |

| 1,1'-(p-Tolylimino)dipropan-2-ol | | | | |
|----------------------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| 45 mg/kg | LD50 | rat | Company data | |

| N,N-dimethyl-p-toluidine | | | | |
|--------------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| 139 mg/kg | LD50 | rat | Company data | |

Dermal toxicity [mg/kg]

Hazardous ingredients

| methyl methacrylate | | | | |
|---------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| >5000 mg/kg | LD50 | rabbit | Company data | |

| 2-ethylhexyl acrylate | | | | |
|-----------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| 7522 mg/kg | LD50 | rabbit | Company data | |

| 1,1'-(p-Tolylimino)dipropan-2-ol | | | | |
|----------------------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| 2001 mg/kg | LD50 | rat | Company data | |

| N,N-dimethyl-p-toluidine | | | | |
|--------------------------|----------------|--------------|--------------|--|
| Value | Test criterion | Test species | Source | |
| >2001 mg/kg | LD50 | rabbit | Company data | |

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Inhalative toxicity [mg/l]

Hazardous ingredients

| 2-ethylhexyl acrylate | | |
|-----------------------|--------------|--------------|
| Value | Test species | Source |
| 1,19 mg/l | rat | Company data |

| N,N-dimethyl-p-toluidine | | | |
|--------------------------|----------------|--------------|--------------|
| Value | Test criterion | Test species | Source |
| 1,4 mg/l | LD50 | rat | Company data |

LC50 Inhalation 4h for vapours [mg/l]

Hazardous ingredients

| methyl methacrylate | | | |
|---------------------|----------------|--------------|--------------|
| Value | Test criterion | Test species | Source |
| 29,8 mg/l | LC50 | rat | Company data |

LC50 Inhalation 4h for dusts and sprays [mg/l]

Hazardous ingredients

| N,N-dimethyl-p-toluidine | | | |
|--------------------------|----------------|--------------|--------------|
| Value | Test criterion | Test species | Source |
| 0,8 mg/l | LC50 | rat | Company data |

Irritant effect on skin

Hazardous ingredients

| methyl methacrylate | | |
|---------------------|--------------|--------------|
| Value | Test species | Source |
| irritating | rabbit | Company data |

| 2-ethylhexyl acrylate | | | |
|-----------------------|--------------|-----------------------|--------------|
| Value | Test species | Exposure duration [h] | Source |
| Skin irritation | rabbit | 4 h | Company data |

| aliphatic urethanacrylate | |
|----------------------------|--------------|
| Value | Source |
| May cause skin irritation. | Company data |

| 1,1'-(p-Tolylimino)dipropan-2-ol | |
|----------------------------------|--------------|
| Value | Source |
| No skin irritation | Company data |

| N,N-dimethyl-p-toluidine | |
|--------------------------|--------------|
| Value | Source |
| Skin irritation | Company data |

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Irritant effect on eyes

Hazardous ingredients

| methyl methacrylate | | |
|---------------------|--------------|--------------|
| Value | Test species | Source |
| Irritant | rabbit | Company data |

| 2-ethylhexyl acrylate | | | |
|-----------------------|-------------------------|--------------|--------------|
| Value | Measuring method | Test species | Source |
| slightly irritating | OECD Test Guideline 405 | rabbit | Company data |

| aliphatic urethanacrylate | |
|--------------------------------|--------------|
| Value | Source |
| Causes serious eye irritation. | Company data |

| 1,1'-(p-Tolylimino)dipropan-2-ol | |
|----------------------------------|--------------|
| Value | Source |
| Irritant | Company data |

| N,N-dimethyl-p-toluidine | |
|--------------------------|--------------|
| Value | Source |
| Eye irritation | Company data |

Sensitization

Hazardous ingredients

| methyl methacrylate | | |
|---------------------|--------------|--------------|
| Value | Test species | Source |
| Skin sensitization | mouse | Company data |

| 2-ethylhexyl acrylate | |
|-----------------------|--------------|
| Value | Source |
| Skin sensitization | Company data |

| 1,1'-(p-Tolylimino)dipropan-2-ol | |
|---|--------------|
| Value | Source |
| No sensitization responses were observed. | Company data |

| N,N-dimethyl-p-toluidine | |
|---|--------------|
| Value | Source |
| No sensitization responses were observed. | Company data |

Carcinogenic effects

Hazardous ingredients

| methyl methacrylate | | |
|---------------------|--------------|--------------|
| Value | Test species | Source |
| not a carcinogen | rat, mouse | Company data |

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| 2-ethylhexyl acrylate | |
|-----------------------|--------------|
| Value | Source |
| No known effect. | Company data |

Mutagenicity

Hazardous ingredients

| methyl methacrylate | |
|---------------------|--------------|
| Value | Source |
| not mutagenic | Company data |

| 2-ethylhexyl acrylate | |
|-----------------------|--------------|
| Value | Source |
| No known effect. | Company data |

| 1,1`-(p-Tolylimino)dipropan-2-ol | |
|----------------------------------|--------------|
| Value | Source |
| negative | Company data |

Reproduction toxicity

Hazardous ingredients

| methyl methacrylate | |
|---------------------------|--------------|
| Value | Source |
| not toxic to reproduction | Company data |

| 2-ethylhexyl acrylate | |
|-----------------------|--------------|
| Value | Source |
| No known effect. | Company data |

Specific target organ toxicity (single exposure) [mg/kg]

Hazardous ingredients

| methyl methacrylate | |
|--------------------------------------|--------------|
| Value | Source |
| Causes respiratory tract irritation. | Company data |

| 2-ethylhexyl acrylate | |
|--------------------------------------|--------------|
| Value | Source |
| Causes respiratory tract irritation. | Company data |

Specific target organ toxicity (repeated exposure) [mg/kg]

Hazardous ingredients

| methyl methacrylate | |
|---------------------|--------------|
| Value | Source |
| No known effect. | Company data |

| 2-ethylhexyl acrylate | |
|-----------------------|--------------|
| Value | Source |
| No known effect. | Company data |

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11.2 Additional information

Experience in practice

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Irritating to eyes, respiratory system and skin. Irritating to mucous membranes

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish [mg/l]

Hazardous ingredients

| methyl methacrylate | | | | | |
|---------------------|----------------|---------------------------------------|------------------------|-----------------------|--------------|
| Value | Test criterion | Test species | Measuring method | Exposure duration [h] | Source |
| 191 mg/l | LC50 | On-corhynchus mykiss (rain-bow trout) | OECD Test Guideline203 | 96 h | Company data |

| 2-ethylhexyl acrylate | | | | | |
|-----------------------|----------------|---------------------------------------|------------------------|-----------------------|--------------|
| Value | Test criterion | Test species | Measuring method | Exposure duration [h] | Source |
| 1,81 mg/l | LC50 | On-corhynchus mykiss (rain-bow trout) | OECD Test Guideline203 | 96 h | Company data |

| 1,1'-(p-Tolylimino)dipropan-2-ol | | | | |
|----------------------------------|----------------|--------------------------------|-----------------------|--------------|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 17 mg/l | LC50 | Brachydanio rerio (zebra fish) | 96 h | Company data |

| N,N-dimethyl-p-toluidine | | |
|--------------------------|----------------|--------------|
| Value | Test criterion | Source |
| 52 mg/l | LC50 | Company data |

Toxicity to daphnia [mg/l]

Hazardous ingredients

| methyl methacrylate | | | | | |
|---------------------|----------------|----------------------------|-----------------------|------------------------|--------------|
| Value | Test criterion | Test species | Exposure duration [h] | Measuring method | Source |
| 69 mg/l | EC50 | Daphnia magna (Water flea) | 48 h | OECD Test Guideline202 | Company data |

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| 2-ethylhexyl acrylate | | | | | |
|-----------------------|----------------|----------------------------|-----------------------|------------------------|--------------|
| Value | Test criterion | Test species | Exposure duration [h] | Measuring method | Source |
| 1,3 mg/l | EC50 | Daphnia magna (Water flea) | 48 h | OECD Test Guideline202 | Company data |

| aliphatic urethanacrylate | | | |
|---------------------------|----------------|----------------------------|--------------|
| Value | Test criterion | Test species | Source |
| >100 mg/l | LC50 | Daphnia magna (Water flea) | Company data |

| 1,1`-(p-Tolylimino)dipropan-2-ol | | | | |
|----------------------------------|----------------|----------------------------|-----------------------|--------------|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 28,8 mg/l | EC50 | Daphnia magna (Water flea) | 18 h | Company data |

Toxicity to algae [mg/l]**Hazardous ingredients**

| methyl methacrylate | | | | | |
|---------------------|----------------|---|-----------------------|------------------------|--------------|
| Value | Test criterion | Test species | Exposure duration [h] | Measuring method | Source |
| >110 mg/l | EC50 | Selenastrum capricornutum (green algae) | 72 h | OECD Test Guideline201 | Company data |

| 2-ethylhexyl acrylate | | | | | |
|-----------------------|----------------|-------------------------|-----------------------|------------------------|--------------|
| Value | Test criterion | Test species | Exposure duration [h] | Measuring method | Source |
| 1,71 mg/l | ErC50 | Desmodesmus subspicatus | 72 h | OECD Test Guideline201 | Company data |

| 1,1`-(p-Tolylimino)dipropan-2-ol | | | | |
|----------------------------------|----------------|-------------------------|-----------------------|--------------|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 245 mg/l | EC50 | Desmodesmus subspicatus | 27 h | Company data |

NOEC (fish) [mg/l]**Hazardous ingredients**

| methyl methacrylate | | | |
|---------------------|--------------------------------|-------------------------|--------------|
| Value | Test species | Measuring method | Source |
| 9,4 mg/l | Brachydanio rerio (zebra fish) | OECD Test Guideline 210 | Company data |

NOEC (daphnia) [mg/l]

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Hazardous ingredients

| methyl methacrylate | | | |
|---------------------|----------------------------|-------------------------|--------------|
| Value | Test species | Measuring method | Source |
| 37 mg/l | Daphnia magna (Water flea) | OECD Test Guideline 202 | Company data |

NOEC (algae) [mg/l]

Hazardous ingredients

| 2-ethylhexyl acrylate | | | |
|-----------------------|-------------------------|-------------------------|--------------|
| Value | Test species | Measuring method | Source |
| 0,45 mg/l | Desmodesmus subspicatus | OECD Test Guideline 201 | Company data |

12.2 Persistence and degradability

Biodegradability

Hazardous ingredients

| methyl methacrylate | | |
|------------------------|---|--------------|
| Value | Method of analysis | Source |
| Readily biodegradable. | OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F | Company data |

| 2-ethylhexyl acrylate | |
|------------------------|--------------|
| Value | Source |
| Readily biodegradable. | Company data |

| 1,1'-(p-Tolylimino)dipropan-2-ol | |
|----------------------------------|--------------|
| Value | Source |
| Poorly biodegradable. | Company data |

| N,N-dimethyl-p-toluidine | |
|--------------------------|--------------|
| Value | Source |
| no data available | Company data |

12.3 Bioaccumulative potential

Bioaccumulation

Hazardous ingredients

| methyl methacrylate | |
|-------------------------|--------------|
| Value | Source |
| Does not bioaccumulate. | Company data |

| 2-ethylhexyl acrylate | |
|--------------------------------------|--------------|
| Value | Source |
| Bioaccumulation slight, log Pow 4,64 | Company data |

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| 1,1`-(p-Tolylimino)dipropan-2-ol | |
|----------------------------------|--------------|
| Value | Source |
| no data available | Company data |

| N,N-dimethyl-p-toluidine | |
|--------------------------|--------------|
| Value | Source |
| no data available | Company data |

12.4 Mobility in soil

Mobility

Hazardous ingredients

| methyl methacrylate | |
|--------------------------------------|--------------|
| Mobility | Source |
| Terrestrial Compartment Not relevant | Company data |

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

Hazardous ingredients

| methyl methacrylate | |
|---|--------------|
| Value | Source |
| This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). | Company data |

| 2-ethylhexyl acrylate | |
|---|--------------|
| Value | Source |
| This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). | Company data |

| aliphatic urethanacrylate | |
|---|--------------|
| Value | Source |
| This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). | Company data |

| 1,1`-(p-Tolylimino)dipropan-2-ol | |
|---|--------------|
| Value | Source |
| This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). | Company data |

| N,N-dimethyl-p-toluidine | |
|---|--------------|
| Value | Source |
| This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). | Company data |

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12.6 Other adverse effects

Further information on ecology We have no quantitative data concerning the ecological effects of this product.

SECTION 13: Disposal considerations




13.1 Waste treatment methods

Disposal considerations According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned empty packaging Empty containers should be taken for local recycling or waste disposal. Dispose of in accordance with local regulations.

SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG | Air transport ICAO/IATA |
|---------------------------------|---|---|---|
| 14.1 UN-No | 1263 | 1263 | 1263 |
| 14.2 Description of the goods | PAINT | PAINT | PAINT |
| UN proper shipping name | | PAINT | Paint |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 |
| 14.4 Packaging group | III | III | III |
| Labels | 3  | 3  | 3  |
| Risk No. | 30 | | |
| Category | 3 | | |
| Factor | 1 | | |
| Classification Code | F1 | | |
| SP 640 | 640E | | |
| Tunnel restriction code | D/E | | |
| EmS | | F-E;_S-E | |
| Stowage category | | A | |

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

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

Additional regulations Additionally, observe any national regulations!

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Classification in compliance with the Industrial Safety Regulation highly flammable

SECTION 16: Other information

Modifications since last version Modifications of the previous version are denoted with an asterisk (*).

Relevant H-phrases
H225: Highly flammable liquid and vapour.
H300: Fatal if swallowed.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes
Flam. Liq.: Flammable liquid
STOT SE: Specific target organ toxicity - single exposure
Skin Irrit.: Skin irritation
Skin Sens.: Skin sensitization
Aquatic Chronic: Hazardous to the aquatic environment
Eye Irrit.: Serious eye irritation
Acute Tox.: Acute toxicity
STOT RE: Specific target organ toxicity - repeated exposure

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

| Classification | Evaluation |
|---------------------|------------|
| Flam. Liq. 2; H225 | Calculated |
| Skin Irrit. 2; H315 | Calculated |
| Skin Sens. 1; H317 | Calculated |
| STOT SE 3; H335 | Calculated |

Department issuing safety data sheet Environmental Department

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