

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

Commercial Product Name: Bauder LiquiFINISH (all colours)

Article-No.: GB81002070; GB81002080; GB81002090;

Revision Date: 11.03.2022

Version: 2.0/en



Replaces version from: 21.09.2018

Print date: 11.03.2022

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

1.1 Product identifier

Commercial Product Name **Bauder LiquiFINISH (all colours)**

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

Relevant identified uses sealing

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. 1A; 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 , 2,2'-ethylenedioxydiethyl dimethacrylate , Fatty acids, C14-18 and C16-18-unsatd., maleated , maleic anhydride

H-statement(s)

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

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* P-statement(s)

H335: May cause respiratory irritation.

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.

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.

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	30.0 - 35.0 % 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	20.0 - 25.0 % by weight
2,2'-ethylenedioxydiethyl dimethacrylate	CAS No.: 109-16-0 EC-No.: 203-652-6REACH No.: 01-2119969287-21-XXXX	Skin Sens. 1; H317	1.0 - 5.0 % by weight
aliphatic urethanacrylate		Skin Irrit. 2; H315 Eye Irrit. 2; H319	1.0 - 5.0 % by weight
Fatty acids, C14-18 and C16-18-unsatd., maleated	CAS No.: 85711-46-2 * EC-No.: 701-043-4 REACH No.: 01-2119976378-19-XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317	0.1 - 1.0 % by weight
1,1'-(p-Tolylimino)dipropan-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
maleic anhydride	CAS No.: 108-31-6 EC-No.: 203-571-6 Index-No.: 607-096-00-9REACH No.: 01-2119472428-31-XXXX	Acute Tox. 4; H302 STOT RE 1; H372 Skin Corr. 1B; H314 Eye Dam. 1; H318Resp. Sens. 1; H334Skin Sens. 1A; H317	0.0015 - 0.01 % 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.

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If inhaled	Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
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	Hazardous decomposition products formed under fire conditions. Violent polymerization may be caused by: Extremes of temperature and direct sunlight.
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5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

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 Handle and open container with care. Avoid contact with skin and eyes. 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.

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

TRGS 510 3

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

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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
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

2,2'-ethylenedioxydiethyl dimethacrylate

DNEL	Target group	Exposure route	Exposure frequency	Source
48,5 mg/m ³	Workers	Inhalation	Long term effects systemic	Company data
13,9 mg/kg	Workers	dermal exposure	Long term effects systemic	Company data
14,5 mg/m ³	Consumers	Inhalation	Long term effects systemic	Company data
8,33 mg/kg	Consumers	dermal exposure	Long term effects systemic	Company data
8,33 mg/kg	Consumers	Oral	Long term effects systemic	Company data

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PNEC	Exposure route	Source
0,164 mg/l	freshwater	Company data
0,274 mg/kg	Soil	Company data
0,185 mg/kg	marine sediment	Company data
1,85 mg/kg	freshwater sediment	Company data
10 mg/l	Waste water treatment	Company data
0,164 mg/l	intermittent releases	Company data
0,00164 mg/l	marine water	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

maleic anhydride

* Great Britain

Long-term exposure value/ mg/m ³	Short-term exposure value / mg/m ³	Note	Source
1	3	Sen	EH40/2005 Workplace exposure limits (2011)

DNEL	Target group	Exposure route	Exposure frequency	Source
0,4 mg/m ³	Workers	Inhalable fraction	Long term effects Local systemic	Company data
0,04 mg/kg	Workers	Skin	Short-term effects	Company data

PNEC	Exposure route	Source
0,04281 mg/l	freshwater	Company data
0,004281 mg/l	marine water	Company data
0,4281 mg/l	Intermittent release.	Company data
0,0415 mg/l	Soil	Company data
0,0334 mg/kg	freshwater sediment	Company data
0,0334 mg/kg	marine sediment	Company data
44,6 mg/l	Waste water treatment	Company data

8.2 Exposure controls

Respiratory protection is absolutely necessary.

In interiors and during exceeding of the air limit values carrying of protective masks

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

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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.
Hand protection	Recommended Filter type: A1, A2 (in case of higher concentration) 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	different color-tone
Odour	typic for acrylates
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. %
Upper limit	12,5 vol. % 2-ethylhexyl acrylate
Lower limit	0,9 vol. %
Upper limit	6,4 vol. %

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Vapour pressure [kPa]	1000 hPa
Temperature [°C]	50 °C
Vapour density	not determined
Density [g/cm ³]	1,05 g/cm ³
Water solubility [g/l]	
Remarks	insoluble
Partition coefficient n-octanol /wa-ter (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

Flow time [s]	20-25 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

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

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>5001 mg/kg	LD50	rat	OECD Test Guideline 401	Company data
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2-ethylhexyl acrylate			
Value	Test criterion	Test species	Source
4435 mg/kg	LD50	rat	Company data

2,2'-ethylenedioxydiethyl dimethacrylate				
Value	Test criterion	Test species	Remarks	Source
10066 mg/kg	LD50	rat	* 1)	Company data

* 1): Information given is based on data on the components and the toxicology of similar products.

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

Fatty acids, C14-18 and C16-18-unsatd., maleated				
Value	Test criterion	Test species	Measuring method	Source
>2001 mg/kg	LD50	rat	OECD Test Guideline 423	Company data

*1,1`-(p-Tolylimino)dipropan-2-ol				
Value	Test criterion	Test species	Measuring method	Source
26 mg/kg	LD50	rat	OECD Test Guideline 423	Company data

maleic anhydride			
Value	Test criterion	Test species	Source
1090 mg/kg	LC50	rat	Company data

*Dermal toxicity [mg/kg]

Hazardous ingredients

*methyl methacrylate			
Value	Test criterion	Test species	Source
>5001 mg/kg	LD50	rabbit	Company data

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

2,2'-ethylenedioxydiethyl dimethacrylate			
Value	Test criterion	Test species	Source
>2001 mg/kg	LD50	mouse	Company data

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

maleic anhydride			
Value	Test criterion	Test species	Source
2620 mg/kg	LC50	guinea pig	Company data

*Inhalative toxicity [mg/l]

Hazardous ingredients

2-ethylhexyl acrylate		
Value	Test species	Source
1,19 mg/l	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 1h for dusts and sprays [mg/l]

Hazardous ingredients

maleic anhydride			
Value	Test criterion	Test species	Source
2620 mg/l	LD50	rabbits	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

2,2'-ethylenedioxydiethyl dimethacrylate	
Value	Source
No skin irritation	Company data

aliphatic urethanacrylate	
Value	Source
May cause skin irritation.	Company data

Fatty acids, C14-18 and C16-18-unsatd., maleated		
Value	Measuring method	Source

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Skin irritation	OECD 439 Skin irritation	Company data
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1,1'-(p-Tolylimino)dipropan-2-ol	
Value	Source
No skin irritation	Company data

*maleic anhydride	
Value	Source
Acute dermal irritation/corrosion	Company data

*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

2,2'-ethylenedioxydiethyl dimethacrylate	
Value	Source
No eye irritation	Company data

aliphatic urethanacrylate	
Value	Source
Causes serious eye irritation.	Company data

Fatty acids, C14-18 and C16-18-unsatd., maleated		
Value	Measuring method	Source
No eye irritation	OECD Test Guideline 405	Company data

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

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2,2'-ethylenedioxydiethyl dimethacrylate	
Value	Source
Skin sensitizer	Company data

Fatty acids, C14-18 and C16-18-unsatd., maleated		
Value	Measuring method	Source
May cause sensitization by skin contact.	OECD 429	Company data

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

*maleic anhydride		
Value	Measuring method	Source
Skin sensitizing.	OECD Test Guideline 406	Company data

*Carcinogenic effects

Hazardous ingredients

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

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

2,2'-ethylenedioxydiethyl dimethacrylate	
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

2,2'-ethylenedioxydiethyl dimethacrylate	
Value	Source
No known effect.	Company data

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Fatty acids, C14-18 and C16-18-unsatd., maleated		
Value	Measuring method	Source
negative	OECD 471, OECD 473, OECD 476	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

2,2'-ethylenedioxydiethyl dimethacrylate	
Value	Source
No known effect.	Company data

* ATE (mix)

Oral 4198,87

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

2,2'-ethylenedioxydiethyl dimethacrylate	
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Value	Source
No known effect.	Company data

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 (rainbow 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 (rainbow trout)	OECD Test Guideline203	96 h	Company data

2,2'-ethylenedioxydiethyl dimethacrylate					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
16,4 mg/l	LC50	Brachydanio rerio (zebra fish)	OECD Test Guideline203	96 h	Company data

Fatty acids, C14-18 and C16-18-unsatd., maleated					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
>150 mg/l	LC50	Leuciscus idus (Golden orfe)	DIN 38412	48 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	

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maleic anhydride		
Value	Test criterion	Source
75 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

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

2,2'-ethylenedioxydiethyl dimethacrylate				
Value	Test criterion	Test species	Exposure duration [h]	Source
30,2mg/l	EC50	Daphnia magna (Water flea)	21 day(s)	Company data

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

Fatty acids, C14-18 and C16-18-unsatd., maleated					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
>101 mg/l	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guideline202	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

maleic anhydride		
Value	Test criterion	Source
77 mg/l	EC50	Company data

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*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	Desmod-esmus subspicatus	72 h	OECD Test Guideline201	Company data

2,2'-ethylenedioxydiethyl dimethacrylate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
>101 mg/l	EC50	Pseudokirchneriella subcapitata	72 h	OECD Test Guideline201	Company data

Fatty acids, C14-18 and C16-18-unsatd., maleated					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
>101 mg/l	ErC50	Pseudokirchneriella subcapitata	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	

maleic anhydride		
Value	Test criterion	Source
150 mg/l	EC50	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

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NOEC (daphnia) [mg/l]

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

2,2'-ethylenedioxydiethyl dimethacrylate	
Value	Source
Readily biodegradable.	Company data

Fatty acids, C14-18 and C16-18-unsatd., maleated	
Value	Source
Not readily biodegradable.	Company data

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

*maleic anhydride		
Value	Measuring method	Source
Readily biodegradable	OECD 301	Company data

12.3 Bioaccumulative potential

*Bioaccumulation

Hazardous ingredients

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methyl methacrylate	
Value	Source
Does not bioaccumulate.	Company data

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

2,2'-ethylenedioxydiethyl dimethacrylate	
Value	Source
slight	Company data

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

2,2'-ethylenedioxydiethyl dimethacrylate	
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

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Fatty acids, C14-18 and C16-18-unsatd., maleated	
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

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
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	

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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!

Classification in compliance with the Industrial Safety Regulation highly flammable

GISCODE RMA10

MAL-Code 5-5

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.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H372: Causes 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
Skin Corr.: Skin corrosion
Eye Dam.: Serious eye damage
Resp. Sens.: Respiratory sensitization

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* 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. 1A; H317	Calculated
STOT SE 3; H335	Calculated

Recommended restrictions

Reserved for industrial and professional use.

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.