

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

Commercial Product Name: Bauder LiquiDEK W Colour 7031 20 kg

Article-No.: GB81002052

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 LiquiDEK W Colour 7031 20 kg**

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

Relevant identified uses fluid plastic 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](mailto: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 , 2,2'-[(4-methylphenyl)imino]bisethanol , Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

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**

<b>Ingredient</b>	<b>Numbers</b>	<b>Classification (EC) 1272/2008</b>	<b>Concentration</b>
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	20.0 - 25.0 % 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	10.0 - 15.0 % by weight
aliphatic urethanacrylate		Skin Irrit. 2; H315 Eye Irrit. 2; H319	5.0 - 10.0 % by weight
2,2'-[(4-methylphenyl)imino]bisethanol	CAS No.: 3077-12-1 EC-No.: 221-359-1 * REACH No.: 01-2120791684-40-XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412	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
Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	CAS No.: 162627-17-0 EC-No.: 605-296-0REACH No.: 01-2119970640-38-XXXX	Skin Sens. 1A; H317	0.01 - 0.1 % 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 safetydata 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 <sub>2</sub> ), Foam, Water spray, Dry powder
Extinguishing media which mustnot 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 anddirect 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 fire-fighting	Fire residues and contaminated fire extinguishing water must be dis- posed of in accordance with local regulations. Do not allow run-off fromfire fighting 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 mayspread 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 <sup>3</sup>	Short-term exposure value / ppm	Short-term exposure value / mg/m <sup>3</sup>	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 <sup>3</sup>	Workers	Inhalation	Long term effects Local	Company data
210 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects systemic	Company data
1,5 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	Company data
13,67 mg/kg	Workers	Skin	Long term effects systemic	Company data
105 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects Local	Company data
74,3 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects, systemic	Company data
1,5 mg/cm <sup>2</sup>	Consumers	Skin	Long term effects Local	Company data
8,2 mg/kg	Consumers	Skin	Long term effects systemic	Company data
1,5 mg/cm <sup>2</sup>	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 <sup>3</sup>	Workers	Inhalation	Long term effects Local	Company data
0,242 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	Company data
0,242 mg/cm <sup>2</sup>	Workers	Skin	Short-term effects Local	Company data
4,5 mg/m <sup>3</sup>	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'-[(4-methylphenyl)imino]bisethanol

*DNEL	Target group	Exposure route	Exposure frequency	Source
0,47 mg/kg	Workers	dermal exposure	Long term effects systemic	Company data

*PNEC	Exposure route	Source
0,003 mg/l	seawater	Company data
0,121 mg/kg	freshwater sediment	Company data
0,026 mg/l	freshwater	Company data
0,012 mg/kg	marine sediment	Company data
10 mg/l	Waste water treatment	Company data
0,009 mg/kg	soil	Company data

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

DNEL	Target group	Exposure route	Exposure frequency	Source
2 mg/m <sup>3</sup>	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	Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). 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.
Remarks	Recommended Filter type: A1, A2 (in case of higher concentration)
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	flüssig
Form	liquid

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Colour	different color-tone
Odour	smell of Methylmethacrylate
pH	not applicable
Boiling point [°C]	>100
Flash point [°C]	10 °C
Evaporation rate [kg/(s m <sup>2</sup> )]	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. %
Vapour density	not determined
Density [g/cm <sup>3</sup> ]	1,33 g/cm <sup>3</sup>
Water solubility [g/l]	
Remarks	insoluble
Partition coefficient n-octanol /wa-ter (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Viscosity, dynamic [kg/(m s)]	1500 mPa.s
Measuring method	Haake-Viscotester
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

## **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.

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## 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
>5001 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

*2,2'-[(4-methylphenyl)imino]bisethanol			
Value	Test criterion	Test species	Source
959 mg/kg	LD50	rat	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

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine				
Value	Test criterion	Test species	Measuring method	Source
>10000 mg/kg	LD50	rat	OECD Test Guideline 401	Company data

#### \*Dermal toxicity [mg/kg]

##### Hazardous ingredients

methyl methacrylate				
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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'-[(4-methylphenyl)imino]bisethanol			
Value	Test species	Measuring method	Source
>2001 mg/kg	rat	OECD Test Guideline 402	Company data

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

## \*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

2,2'-[(4-methylphenyl)imino]bisethanol		
Value	Test species	Source
No skin irritation	rabbit	Company data

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

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine			
Value	Measuring method	Test species	Source
No skin irritation	OECD Test Guideline 404	rabbit	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

aliphatic urethanacrylate	
Value	Source
Causes serious eye irritation.	Company data

2,2'-[(4-methylphenyl)imino]bisethanol	
Value	Source
Risk of serious damage to eyes.	Company data

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

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine			
Value	Measuring method	Test species	Source
No eye irritation	OECD Test Guideline 405	rabbit	Company data

## \*Sensitization

### Hazardous ingredients

methyl methacrylate		
Value	Test species	Source
Skin sensitization	mouse	Company data

2-ethylhexyl acrylate			
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Value	Source
Skin sensitization	Company data

*2,2'-[(4-methylphenyl)imino]bisethanol	
Value	Source
No known effect.	Company data

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

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine		
Value	Measuring method	Source
Skin sensitizer	OECD 429	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

**Mutagenicity****Hazardous ingredients**

methyl methacrylate	
Value	Source
not mutagenic	Company data

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

2,2'-[(4-methylphenyl)imino]bisethanol				
Value	Measuring method	Test species	Remarks	Source
negative	Ames test	Bacteria	In vitro methods	Company data

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

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Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine		
Value	Measuring method	Source
negative	Ames test OECD 471	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

## 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]

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**Hazardous ingredients**

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

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

<b>*2,2'-[(4-methylphenyl)imino]bisethanol</b>					
<b>Value</b>	<b>Test criterion</b>	<b>Test species</b>	<b>Measuring method</b>	<b>Exposure duration [h]</b>	<b>Source</b>
101 mg/l	LC50	Brachydanio rerio (zebra fish)	OECD Test Guideline203	96 h	Company data

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

<b>Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine</b>					
<b>Value</b>	<b>Test criterion</b>	<b>Test species</b>	<b>Measuring method</b>	<b>Source</b>	
>150 mg/l	LC50	Leuciscus idus (Golden orfe)	DIN 38412	Company data	

**\*Toxicity to daphnia [mg/l]****Hazardous ingredients**

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

<b>2-ethylhexyl acrylate</b>					
<b>Value</b>	<b>Test criterion</b>	<b>Test species</b>	<b>Exposure duration [h]</b>	<b>Measuring method</b>	<b>Source</b>

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1,3 mg/l	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guideline202	Company data
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aliphatic urethanacrylate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
>100 mg/l	LC50	Daphnia magna (Water flea)			Company data

*2,2'-[(4-methylphenyl)imino]bisethanol					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
48 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]	Measuring method	Source
28,8 mg/l	EC50	Daphnia magna (Water flea)	18 h		Company data

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine					
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

**\*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'-[(4-methylphenyl)imino]bisethanol					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source

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>101 mg/l	ErC50	Pseudokirchneriella subcapitata	72 h	OECD Test Guideline201	Company data
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1,1'-(p-Tolylimino)dipropan-2-ol				
Value	Test criterion	Test species	Exposure duration [h]	Source
245 mg/l	EC50	Desmodemus subspicatus	27 h	Company data

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
>101 mg/l	ErC50	Pseudokirchneriella subcapitata	72 h	OECD Test Guideline201	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]

### 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	Desmodemus 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

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2-ethylhexyl acrylate	
Value	Source
Readily biodegradable.	Company data

2,2'-[(4-methylphenyl)imino]bisethanol	
Value	Source
Not readily biodegradable.	Company data

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

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine		
Value	Measuring method	Source
Not readily biodegradable.	OECD 301	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

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



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

<b>aliphatic urethanacrylate</b>	
<b>Value</b>	<b>Source</b>
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).	Company data

<b>2,2'-[(4-methylphenyl)imino]bisethanol</b>	
<b>Value</b>	<b>Source</b>
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).	Company data

<b>1,1'-(p-Tolylimino)dipropan-2-ol</b>	
<b>Value</b>	<b>Source</b>
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).	Company data

<b>Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine</b>	
<b>Value</b>	<b>Source</b>
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.

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## 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!

Classification in compliance with the Industrial Safety Regulation highly flammable

GISCODE RMA10

MAL-Code 4-5

## 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.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.

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## Wording of the hazard classes

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

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

Eye Dam.: Serious eye damage

\* 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

## 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.