Commercial Product Name: Sealoflex Endura Detail Coating (Winter Grade) - Blue/

Grey

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Version: 3.1/en





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

1.1 Product identifier

Commercial Product Name Sealoflex Endura Detail Coating (Winter Grade) - Blue/Grey

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

Relevant identified uses liquid applied waterproofing membrane
Recommended restrictions Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company designation BMI Group Operations, SARL; LUXEMBOURG

Albert Borschette, 2B; P.O.Box 99137

1246 LUXEMBOURG Telephone: +33254737072

Marketer BMI Group UK Ltd; BMI House

2 Pitfield; Kiln Farm Milton Keynes MK11 3LW Telephone: +44 (0)1473 257671

E-mail (competent person) bmi.sds@bmigroup.com

1.4 Emergency telephone number

Great Britain NCEC +44 (0)1865 407 333 - English speaking (24 hours, 7 days)

# **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Classification according to Regulation Flan

(EC) No. 1272/2008

Flam. Lig. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335

### 2.2 Label elements

Hazard pictogram



GHS02



Signal word Danger

Hazardous component(s) to be indi-

cated on label

methyl methacrylate, 2-ethylhexyl acrylate, 2,2'-[(4-methylphenyl)imi-

no]bisethanol, Fatty acids, C18-unsatd., dimers reaction products with N,N-di-

methyl-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. H335: May cause respiratory irritation.

P-statement(s) P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash thoroughly after handling.

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P280: Wear protective gloves/protective clothing/eye protection/face protec-

tion/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.

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Further information

Do not breathe spray or mist.

# SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Other data This mixture contains ≥ 1% titanium dioxide (CAS 13463-67-7) The Annex VI clas-

sification of Titanium dioxide does not apply to this mixture according to its Note

### **Hazardous ingredients**

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
methyl methacrylate	CAS No.: 80-62-6 EC-No.: 201-297-1 Index-No.: 607-035-00-6 REACH No.: 01-2119452498-28-XXXX	Flam. Liq. 2; H225 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317	15.0 - 20.0 % by weight
2-ethylhexyl acrylate	CAS No.: 103-11-7 EC-No.: 203-080-7 Index-No.: 607-107-00-7 REACH 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
2,2'-[(4-methylphenyl)imi- no]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
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.: 605-296-0 REACH No.: 01-2119970640-38-XXXX	Skin Sens. 1A; H317	0.1 - 1.0 % by weight
1,1 - (p-Tolylimino)dipropan-2-ol	CAS No.: 38668-48-3 EC-No.: 254-075-1 REACH No.: 01-2119980937-17-XXXX	Acute Tox. 2; H300 Eye Irrit. 2; H319 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 at-

tendance.

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 contami-

nated 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.

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4.2 Most important symptoms and effects, both acute and delayed

**Symptoms** None known

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2), 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 it

Violent polymerization may be caused by: Extremes of temperature and direct

sunlight.

Decomposition products not known in detail.

5.3 Advice for firefighters

Special protective equipment for fire-

fighting

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 fire 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 may spread along

floors.

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.

6.4 Reference to other sections

Reference to other sections 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 con-

tainer away from heat and sources of ignition.

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**Precautions** Smoking, eating and drinking should be prohibited in the application area. For

personal protection see section 8. Observe label precautions.

### 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 care-

fully 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

Recommended storage temperature

Keep in a dry, cool place.

Advice on protection against fire and explosion

Take precautionary measures against static discharge. Vapours may form explo-

sive mixture with air. Use water spray to cool unopened containers.

7.3 Specific end use(s)

Specific use(s) Protect from sunlight and store in well-ventilated place.

# SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

methyl methacrylate

Great Britain				
Long-term exposure	Long-term exposure	Short-term exposure	Short-term exposure	Source
value/ ppm	value/ mg/m3	value / ppm	value / mg/m3	
50	208	100	416	EH40/2005 Workplace
				exposure limits (2011)

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

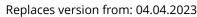
DNEL	Target group	Exposure route	Exposure frequency	Source
210 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects Local	Company data
210 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects systemic	Company data
1,5 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	Company data
13,67 mg/kg	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/m³	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 Lo- cal	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

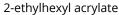
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DNEL	Target group	Exposure route	Exposure frequency	Source
37,5 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects Local	Company data
0,242 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	Company data
0,242 mg/cm <sup>2</sup>	Workers	Skin	Short-term effects Lo-	Company data
			cal	
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 sys-	Company data
			temic	

PNEC	Exposure route	Source
0,003 mg/l	seawater	Company data
0,121 mg/kg	freshwater sediment	Company data
1 - 7 0	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

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

ceeded 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)

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Hand protection Protective gloves complying with EN 374.Please observe the instructions regard-

ing 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, Nitrile rubber

Suitable material butyl-rubber Material thickness 0,7 mm Break through time 120 min

Eye protection Tightly fitting safety goggles

Skin and body protection Wear suitable protective equipment.Long sleeved clothing

General protective and hygiene mea-

sures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. 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.

Ensure adequate ventilation, especially in confined areas. When workers are fac-**Engineering measures** 

ing concentrations above the exposure limit they must use appropriate certified

respirators.

Assumes a good basic standard of occupational hygiene is implemented. Other information (chapter 8.)

# **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state liquid Colour grey

Odour smell of Methylmethacrylate

Melting point [°C] / Freezing point [°C] not determined

Boiling point [°C] > 100 °C

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. % 10 °C Flash point [°C] 280 °C Ignition temperature [°C]

рН not applicable Viscosity, kinematic [mm<sup>2</sup>/s] 3007 mm<sup>2</sup>/s

Viscosity, dynamic [kg/(m\*s)] 4.000 mPas\*s

> Measuring method Haake-Viscotester

Temperature [°C]

20°C

Water solubility [g/l]

Remarks insoluble

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Partition coefficient n-octanol /water

(log P O/W)

not determined

Vapour pressure [kPa] not determined Density [g/cm<sup>3</sup>] 1,33 g/cm<sup>3</sup>

> 20 °C Temperature [°C]

Vapour density not determined

### 9.2 Other information

### 9.2.2 Other safety-related parameters

Evaporation rate [kg/(s\*m²)] not determined **Explosive properties** Not relevant

In use, may form flammable/explosive vapour-air mixture.

Form Liquid

Viscosity, dynamic [kg/(m\*s)] 4.000 mPas\*s

> Temperature [°C] 20 °C

Measuring method Haake-Viscotester

# SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity No decomposition if stored and applied as directed.

10.2 Chemical stability

Chemical stability The product is stable under the usual processing conditions

### 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 poly-

merize 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

### 10.6 Hazardous decomposition products

Hazardous decomposition products Decomposition products not known in detail.

# **SECTION 11: Toxicological information**

### 11.1 Information on the hazard classes within the meaning of Regulation (EU) No. 1272/2008

Oral toxicity [mg/kg]

methyl methacryla	ate			
Value	Test criterion	Test species	Measuring method	Source

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>5001 mg/kg	LD50	rat	OECD Test	Company data
			Guideline 401	

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		

Fatty acids, C18-u amine	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		

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		

### 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'-[(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]

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Hazardous ingredients

2-ethylhexyl acrylate					
Value	Test species	Exposure duration [h]	Source		
1,19 mg/l	rat	8 hours	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

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

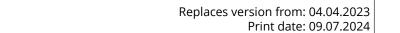
1,1`-(p-Tolylimino)dipropan-2-ol	
Value	Source
No skin irritation	Company data

### Irritant effect on eyes

methyl methacrylate		
Value	Test species	Source
Irritant	rabbit	Company data

2-ethylhexyl acrylate				
Value	Measuring method	Test species	Source	

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	slightly irritating	OECD Test Guideline 405	rabbit	Company data
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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

Fatty acids, C18-unsatd. amine				
Value	Measuring method	Test species	Source	
No eye irritation	OECD Test Guideline 405	rabbit	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

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

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

### Mutagenicity

|--|

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Value	Source
not mutagenic	Company data

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

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

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			

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

### Reproduction toxicity

### Hazardous ingrédients

riazar adas irigi calerits	
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]

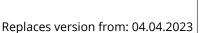
methyl methacrylate	
Value	Source
Causes respiratory tract irritation.	Company data

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2-ethylhexyl acrylate

Value

Causes respiratory tract irritation.

Source

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 Information about other hazards

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 metha	methyl methacrylate				
Value	Test criterion	Test species	Measuring method	Exposure du- ration [h]	Source
191 mg/l	LC50	On- corhynchus mykiss (rain- bow trout)	OECD Test Guideline 203	96 h	Company da- ta

2-ethylhexyl a	2-ethylhexyl acrylate				
Value	Test criterion	Test species	Measuring method	Exposure du- ration [h]	Source
1,81 mg/l	LC50	On- corhynchus mykiss (rain- bow trout)	OECD Test Guideline 203	96 h	Company da- ta

2,2'-[(4-methylphenyl)imino]bisethanol					
Value	Test criterion	Test species	Measuring method	Exposure du- ration [h]	Source
101 mg/l	LC50	Brachydanio rerio (zebra fish)	OECD Test Guideline 203	96 h	Company da- ta

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

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Value	Test criterion	Test species	Measuring method	Source
>150 mg/l	LC50	Leuciscus idus (Golden orfe)	DIN 38412	Company data

1,1`-(p-Tolylimino	)dipropan-2-ol			
Value	Test criterion	Test species	Exposure dura- tion [h]	Source
17 mg/l	LC50	Brachydanio re- rio (zebra fish)	96 h	Company data

### Toxicity to daphnia [mg/l]

methyl methacrylate						
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source	
69 mg/l	EC50	Daphnia magna (Wa- ter flea)	48 h	OECD Test Guideline 202	Company da- ta	

2-ethylhexyl acrylate						
Value	Test criterion	Test species	Exposure du-	Measuring	Source	
			ration [h]	method		
1,3 mg/l	EC50	Daphnia	48 h	OECD Test	Company da-	
		magna (Wa-		Guideline	ta	
		ter flea)		202		

aliphatic urethanacrylat	te		
Value	Test criterion	Test species	Source
>100 mg/l	LC50	Daphnia magna (Wa- ter flea)	Company data

2,2'-[(4-methylphenyl)imino]bisethanol					
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source
48 mg/l	EC50	Daphnia magna (Wa- ter flea)	48 h	OECD Test Guideline 202	Company da- ta

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine					
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source
>101 mg/l	EC50	Daphnia magna (Wa- ter flea)	48 h	OECD Test Guideline 202	Company da- ta

1,1`-(p-Tolylimino	dipropan-2-ol			
Value	Test criterion	Test species	Exposure dura- tion [h]	Source

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28,8 mg/l	EC50	Daphnia magna	18 h	Company data
		(Water flea)		

### Toxicity to algae [mg/l]

Hazardous ingredients

methyl metha	crylate				
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source
>110 mg/l	EC50	Selenastrum capricornu- tum (green algae)	72 h	OECD Test Guideline 201	Company da- ta

2-ethylhexyl acrylate						
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source	
1,71 mg/l	ErC50	Desmod- esmus sub- spicatus	72 h	OECD Test Guideline 201	Company da- ta	

2,2'-[(4-methylphenyl)imino]bisethanol						
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source	
			ration [n]	metriou		
>101 mg/l	ErC50	Pseudokirch-	72 h	OECD Test	Company da-	
		neriella sub-		Guideline	ta	
		capitata		201		

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine					
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source
>101 mg/l	ErC50	Pseudokirch- neriella sub- capitata	72 h	OECD Test Guideline 201	Company da- ta

1,1`-(p-Tolylimino	)dipropan-2-ol			
Value	Test criterion	Test species	Exposure dura- tion [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 (ze-	OECD Test Guideline	Company data
	bra fish)	210	

NOEC (daphnia) [mg/l] Hazardous ingredients

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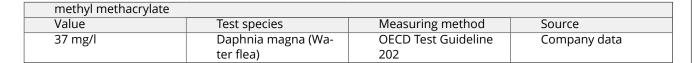
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### NOEC (algae) [mg/l]

Hazardous ingredients

2-ethylhexyl acrylate			
Value	Test species	Measuring method	Source
0,45 mg/l	Desmodesmus subspi- catus	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'-[(4-methylphenyl)imino]bisethanol	
Value	Source
Not readily biodegradable.	Company data

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

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

### 12.3 Bioaccumulative potential

Bioaccumulation

riazardous irigi culcitis	
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

### 12.4 Mobility in soil

Mobility

Hazardous ingredients

	riazaraous irigi caiciris	
	methyl methacrylate	
Ì	Mobility	Source
Ì	Terrestrial Compartment Not relevant	Company data

### 12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

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,	Company data
bioaccumulating nor toxic (PBT).	

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

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

Fatty acids, C18-unsatd., dimers reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanedi-		
amine		
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,	Company data
bioaccumulating nor toxic (PBT).	

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### 12.6 Endocrine disrupting properties

Harmful effects on the environment No known effect.

12.7 Other harmful 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 specif-

ic, but application specific. The following Waste Codes are only suggestions:

08 01 11\* waste paint and varnish containing organic solvents or other danger-Waste Code

ous 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	PAINT	PAINT	PAINT
goods			
14.3 Transport hazard	3	3	3
class(es)			
14.4 Packaging group	III	III	III
Labels	3	3	3
Risk No.	33		
Category	3		
Factor	1		
Classification Code	F1		
Tunnel restriction code	E		
EmS		F-E;_S-E	
Stowage category		A	
UN proper shipping name	UN 1263 PAINT	UN 1263 PAINT	UN 1263 Paint
		•	

### 14.7 Bulk transport by sea according to IMO instruments

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

highly flammable

**Industrial Safety Regulation** 

# SECTION 16: Other information

H225: Highly flammable liquid and vapour. Relevant H-phrases

H300: Fatal if swallowed. H302: Harmful if swallowed. H315: Causes skin irritation.

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H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed.

Do not breathe spray or mist.

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 Eye Dam.: Serious eye damage

Classification for mixtures and used evaluation method according to r

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.