Commercial Product Name: Sealoflex Endura BT Resin (Winter)

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

#### 1.1 Product identifier

Commercial Product Name Sealoflex Endura BT Resin (Winter)

#### 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 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 Fla

(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





Signal word

GHS02 Danger

Hazardous component(s) to be indi-

cated on label

methyl methacrylate, 2-ethylhexyl acrylate, 2,2'-ethylenedioxydiethyl

dimethacrylate

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.

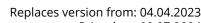
P264: Wash thoroughly after handling.

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

tion/hearing protection.

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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

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### **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	35.0 - 40.0 % 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	20.0 - 25.0 % by weight
aliphatic urethanacrylate		Skin Irrit. 2; H315 Eye Irrit. 2; H319	5.0 - 10.0 % by weight
2,2'-ethylenedioxydiethyl dimethacrylate	CAS No.: 109-16-0 EC-No.: 203-652-6 REACH No.: 01-2119969287-21-XXXX	Skin Sens. 1; H317	1.0 - 5.0 % 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.

### 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

# **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2), Foam, Water spray, Dry powder

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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.

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 require-

ments

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.

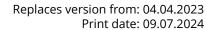
TRGS 510 3

Recommended storage temperature Keep in a dry,

Keep in a dry, cool place.

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Take precautionary measures against static discharge. Vapours may form explo-Advice on protection against fire and

7.3 Specific end use(s)

explosion

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

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

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 sys-	Company data
			temic	
1,5 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	
13,67 mg/kg	Workers	Skin	Long term effects sys-	Company data
			temic	
105 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects Local	. ,
74,3 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects, sys-	Company data
			temic	
1,5 mg/cm <sup>2</sup>	Consumers	Skin	Long term effects Local	Company data
8,2 mg/kg	Consumers	Skin	Long term effects sys-	Company data
			temic	
1,5 mg/cm <sup>2</sup>	Consumers	Skin	Short-term effects Lo-	Company data
			cal	

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 Lo-	Company data
			cal	
4,5 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects Local	Company data

	PNEC	Exposure route	Source
1 -			

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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 <sup>3</sup>	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 <sup>3</sup>	Consumers	Inhalation	Long term effects sys- temic	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

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

٠,٠ (١٥٠٠)	o/a.p. opa = o.				
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 In interiors and during exceeding of the air limit values carrying of protectiv

masks is absolutely necessary.

Use the indicated respiratory protection if the occupational exposure limit is ex-

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.

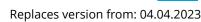
Remarks Recommended Filter type: A1, A2 (in case of higher concentration)

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

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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.

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

ing concentrations above the exposure limit they must use appropriate certified

respirators.

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

# SECTION 9: Physical and chemical properties

# 9.1 Information on basic physical and chemical properties

Physical state liquid
Colour milky

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. % Flash point [ $^{\circ}$ C] 10  $^{\circ}$ C

Ignition temperature [°C] not determined pH not applicable

Viscosity, kinematic [mm²/s] 365 mm²/s

Water solubility [g/l]

Remarks insoluble

Partition coefficient n-octanol /water

(log P O/W)

not determined

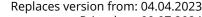
Vapour pressure [kPa] not determined

Density [g/cm³] 0,98 g/cm³

Temperature [°C] 20 °C

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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
Flow time [s] 55 sec
Temperature [°C] 20 °C

Measuring method DIN cup 6 mm

# **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
>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

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aliphatic urethanacrylat	ie .		
Value	Test criterion	Test species	Source
>2001 mg/kg	LD50	rat	Company data

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

 $f \star$  1): Information given is based on data on the components and the toxicology of similar products.

1,1`-(p-Tolyliming	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'-ethylenedioxydiethyl dimethacrylate				
Value	Test criterion	Test species	Source	
>2001 mg/kg	LD50	mouse	Company data	

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

# Inhalative toxicity [mg/l]

# Hazardous ingredients

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

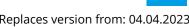
# LC50 Inhalation 4h for vapours [mg/l]

# Hazardous ingredients

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

# Irritant effect on skin

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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'-ethylenedioxydiethyl dimethacrylate	
Value	Source
No skin irritation	Company data

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

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

## Sensitization

methyl methacrylate		

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Value	Test species	Source
Skin sensitization	mouse	Company data

2-ethylhexyl acrylate	
Value	Source
Skin sensitization	Company data

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

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

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

# Carcinogenic effects Hazardous ingredients

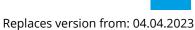
methyl methacrylate		
Value	Test species	Source
not a carcinogen	rat, mouse	Company data

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

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

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### 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

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

# Hazardous ingredients

methyl methacrylate	
Value	Source
Causes respiratory tract irritation.	Company data

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

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

# Hazardous ingredients

	riazar adas irigi carcitis	
	methyl methacrylate	
	Value	Source
Ì	No known effect.	Company data

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

2,2'-ethylenedioxydiethyl dimethacrylate			
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

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# **SECTION 12: Ecological information**

# **12.1 Toxicity**

Toxicity to fish [mg/l]

nazardous ingredients						
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'-ethylenedioxydiethyl dimethacrylate						
Value	Value Test criterion Test species Measuring Exposure du-					
			method	ration [h]		
16,4 mg/l	LC50	Brachydanio	OECD Test	96 h	Company da-	
		rerio (zebra	Guideline		ta	
		fish)	203			

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

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

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

# Toxicity to algae [mg/l]

Hazardous ingredients

	dzar dods ingledients				
methyl methacrylate					
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 a	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'-ethylenedioxydiethyl dimethacrylate					
Value	Test criterion	Test species	Exposure du- ration [h]	Measuring method	Source
>101 mg/l	EC50	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]

methyl methacrylate			
Value	Test species	Measuring method	Source

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9,4 mg/l	Brachydanio rerio (ze-	OECD Test Guideline	Company data

bra fish) 210	9,4 mg/l	Brachydanio rerio (ze-	OECD Test Guideline	Company data
	-	bra fish)	210	

# NOEC (daphnia) [mg/l]

Hazardous ingredients

methyl methacrylate			
Value	Test species	Measuring method	Source
37 mg/l	Daphnia magna (Wa- ter 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 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'-ethylenedioxydiethyl dimethacrylate	
Value	Source
Readily biodegradable.	Company data

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

# 12.3 Bioaccumulative potential

## Bioaccumulation

methyl methacrylate	
Value	Source
Does not bioaccumulate.	Company data

2-ethylhexyl acrylate	
Value	Source

Article-No.: 3103223 Revision Date: 09.07.2024



Replaces version from: 04.04.2023 2024

Version: 1.2/en	Print date: 09.07.2
Nevision Bate. 05.07.2024	Replaces Version from: 04:04:2

Bioaccumulation slight, log Pow 4,64	Company data

2,2'-ethylenedioxydiethyl dimethac	rylate
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

	Tidad do do inglication		
	methyl methacrylate		
	NA LUIS		
	Mobility	Source	
	Terrestrial Compartment Not relevant	Company data	
- 1	remediate comparament Not relevant		

# 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'-ethylenedioxydiethyl dimethacrylate	
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

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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:

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

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 Not re

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

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

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

H317: May cause an allergic skin reaction.

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H319: Causes serious eye irritation. H335: May cause respiratory irritation.

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

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

Department issuing safety data sheet E

**Environmental Department** 

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.