

Bauder LiquiFINISH – Blue Grey 7031

safety data sheet

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade Name: Bauder LiquiFINISH – Blue Grey 7031

Article Number: GB81002070

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

Relevant identified uses Professional use.

Recommended restrictions Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Supplier Bauder Ltd
70 Landseer Road
Ipswich
Suffolk
IP3 0DH
Tel: +44 (0) 1473 257671
Email: 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



UNITED KINGDOM Bauder Ltd 70 Landseer Road, Ipswich, Suffolk IP3 0DH

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Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.

Signal word	Danger
Hazardous component(s) to be indicated on label	methyl methacrylate , 2-ethylhexyl acrylate , Fatty acids, C14-18 and C16-18-un-satd., maleated, maleic anhydride
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 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.
Further information	EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards

substances of very high concern (SVHC)	This substance/mixture contains substances listed on the current "Candidate List of Substances of Very High Concern (SVHC)" for authorisation in concentrations of 0.1% or more. See Chapter 3 other substance information.
PBT assessment	This substance/mixture does not contain substances in concentrations of 0.1% or more that are classified as persistent, bioaccumulative and toxic (PBT).
vPvB assessment	This substance/mixture contains substances in concentrations of 0.1% or more that are classified as very persistent and very bioaccumulative (vPvB).
Endocrine-disrupting properties - environment	This substance/mixture does not contain substances in concentrations of 0.1% or more that are included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine-disrupting properties, or that have endocrine-disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.
Endocrine-disrupting properties human health	This substance/mixture does not contain substances in concentrations of 0.1% or more that are included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine-disrupting properties, or that have endocrine-disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

No information available

3.2 Mixtures

Other data

This mixture contains = 1% titanium dioxide (CAS 13463-67-7) The Annex VI classification of Titanium dioxide does not apply to this mixture according to its Note 10

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	30.0 - 35.0 % 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	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.: 254-075-1 REACH No.: 01-2119980937-17-XXXX	Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	0.1 - 1.0 % by weight
Bumetrizole (UV-326)	CAS No.: 3896-11-5 EC-No.: 223-445-4	This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].	0.1 - 1.0 % by weight
maleic anhydride	CAS No.: 108-31-6 EC-No.: 203-571-6 Index-No.: 607-096-00-9 REACH No.: 01-2119472428-31-XXXX	Acute Tox. 4; H302 STOT RE 1; H372 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1A; H317	0.0015 - 0.01 % by weight

Other substance information

Ingredient	Numbers	M- factor - SCL - ATE	Other
methyl methacrylate	CAS No.: 80-62-6 EC-No.: 201-297-1 Index-No.: 607-035-00-6 REACH No.: 01-2119452498-28-XXXX		

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		
aliphatic urethanacrylate			
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		
1,1'-(p-Tolylimino)dipropan-2-ol	CAS No.: 38668-48-3 EC-No.: 254-075-1 REACH No.: 01-2119980937-17-XXXX		
Bumetrizole (UV-326)	CAS No.: 3896-11-5 EC-No.: 223-445-4		SVHC vPvB
maleic anhydride	CAS No.: 108-31-6 EC-No.: 203-571-6 Index-No.: 607-096-00-9 REACH No.: 01-2119472428-31-XXXX	Skin Sens. 1A; H317: C >= 0,001 %	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
If inhaled	Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
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, get 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

No information available

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 itself, its combustion products, or released gases Violent polymerization may be caused by: Extremes of temperature and direct sunlight.
Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.

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

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly.
Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Reference to other sections Disposal considerations See also section 13

6.5 Additional information

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

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment. Keep product and empty container away from heat and sources of ignition. Handle and open container with care. Avoid contact with skin and eyes.
Precautions	Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements	Store in accordance with the particular national regulations. Keep in a cool, well-ventilated place. Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
TRGS 510	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 explosive mixture with air. Use water spray to cool unopened containers.

7.3 Specific end use(s)

No information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

methyl methacrylate

Ireland			
Long-term exposure value/ ppm	Short-term exposure value / ppm	Remarks	Source
50	100	IOELV, Sens.	Code of Practice for the Safety Health and Welfare at Work (2011)

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

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

DNEL	Target group	Exposure route	Exposure frequency	Source
210 mg/m ³	Workers	Inhalation	Long term effects Local	Company data
210 mg/m ³	Workers	Inhalation	Long term effects systemic	Company data

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

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

2-ethylhexyl acrylate

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

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

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

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

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

maleic anhydride

Ireland			
Long-term exposure value/ ppm	Note	Remarks	Source
0.01	Inhalable fraction vapour	Sens.	Code of Practice for the Safety Health and Welfare at Work (2011)

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
0,081 mg/m ³	Workers	Inhalable fraction	Long term effects systemic	Company data
0,2 mg/kg	Workers	Inhalable fraction	Acute systemic	Company data
0,081 mg/m ³	Workers	Inhalable fraction	Long term effects Local effects	Company data
0,2 mg/m ³	Workers	Inhalable fraction	Acute Local 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	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) Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Hand protection	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Unsuitable material	woven fabric, Leather gloves
Suitable material	Nitriles
Material thickness	0,38 mm
Break through time	<25 min
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 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 facing concentrations above the exposure limit they

must use appropriate certified respirators.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Physical state	Liquid
Colour	Grey
Odour	Smells of Methylmethacrylate
Odour threshold	For the product of this parameter is not applicable.
Melting point [°C] / Freezing point [°C]	-48 °C
Pressure	1013,25 hPa
Remarks	methyl methacrylate
Boiling point [°C]	>100 °C
Pressure	1013,25 hPa
Flammability	Flammable
Explosion limits [Vol-%]	The product itself has not been tested. methyl methacrylate
Lower limit	1,7 vol. %
Upper limit	12,5 vol. %
Lower limit	2-ethylhexyl acrylate
Upper limit	0,9 vol. %
Flash point [°C]	6,4 vol. %
Measuring method	10 °C
Note	DIN 51755
Ignition temperature [°C]	methyl methacrylate
Measuring method	430 °C
Note	DIN 51794
Decomposition temperature [°C]	methyl methacrylate
pH	no data available
Remarks	For the product of this parameter is not applicable.
Viscosity, kinematic [mm ² /s]	substance/mixture is non-soluble (in water)
Temperature [°C]	670 mm ² /s
Measuring method	20 °C
Viscosity, dynamic [kg/(m s)]	Calculated
Temperature [°C]	700 mPa*s
Measuring method	20 °C
Water solubility [g/l]	Brookfield
Temperature [°C]	Insoluble
Pressure	20 °C
Partition coefficient n-octanol /water (log P O/W)	1013,25 hPa
Vapour pressure [kPa]	not determined
Temperature [°C]	37 hPa
Note	20 °C
Density [g/cm ³]	methyl methacrylate
Pressure	1,05 g/cm ³
Temperature [°C]	1013,25 hPa
Measuring method	20 °C
Vapour density	Pycnometer
Relative vapour density (air=1)	not determined
	For the product of this parameter is not applicable.

9.2 Other information

9.2.2 Other safety-related parameters

Evaporation rate [kg/(s m ²)]	not determined
Explosive properties	In use, may form flammable/explosive vapour-air mixture.
Form	Liquid
Viscosity, dynamic [kg/(m s)]	700 mPa*s
Temperature [°C]	20 °C
Measuring method	Brookfield
Flow time [s]	22 sec
Temperature [°C]	20 °C
Cup type	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 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

10.6 Hazardous decomposition products

No information available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

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

1,1'-(p-Tolylimino)dipropan-2-ol			
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	rabbit	Company data

Inhalative toxicity [mg/l]
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

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

aliphatic urethanacrylate	
Value	Source
May cause skin irritation.	Company data

Fatty acids, C14-18 and C16-18-unsatd., maleated		
Value	Measuring method	Source
Skin irritation	OECD 439 Skin irritation	Company data

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

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

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

Mutagenicity
Hazardous ingredients

methyl methacrylate	
Value	Source
not mutagenic	Company data

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

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

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 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

ATE (mix)

Oral [mg/kg] 4304.55

11.2 Information about other hazards

Endocrine-disrupting information human health

This substance/mixture does not contain substances in concentrations of 0.1% or more that are included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine-disrupting properties, or that have endocrine-disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

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	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 203	96 h	Company data

2-ethylhexyl acrylate					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
1,81 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	OECD Test Guideline 203	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	Leuciscusidus (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	

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 Guideline 202	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 Guideline 202	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 Guideline 202	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

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 Guideline 201	Company data

2-ethylhexyl acrylate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
1,71 mg/l	ErC50	Desmodesmus subspicatus	72 h	OECD Test Guideline 201	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 Guideline 201	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

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

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

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 The return of packaging materials is regulated by the Interseroh system.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
1263	1263	1263




14.2 UN proper shipping name

Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
PAINT	PAINT	PAINT

14.3 Transport hazard class(es)

Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
3	3	3

14.4 Packing group

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
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

14.5 Environmental hazards

No information available

14.6 Special precautions for user

No information available

14.7 Maritime transport in bulk 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 environment 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

15.2 Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

Modifications since last version	Modifications of the previous version are denoted with an asterisk (*).
Relevant H-phrases	<p>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. H318: Causes serious eye damage. 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. EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.</p>
Wording of the hazard classes	<p>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 vPvB: Very Persistent and very Bioaccumulative</p>

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

Department issuing safety data sheet

Environmental Department

Recommended restrictions

Reserved for industrial and professional use.

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