SECTION1:Identificationofthesubstance/mixtureandofthecompany

1.1 Product identifier

**Commercial Product Name*	*Caltech QC Finish*

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

Relevant identified uses	*sealing*

1.3 Details of the supplier of the safety data sheet

Address	*Alumasc Exterior Building Products Ltd* *White House Works, Bold Road* *Sutton, St Helens, WA9 4JG* *Telephone : +44 (0) 1744 648 400*
Responsible Department	*Technical Department*
E-mail (competent person)	*info@alumasc-exteriors.co.uk*

1.4 Emergency telephone number

Emergency telephone number	*+44 (0) 01744 648 400*

SECTION2:Hazardsidentification

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 , ethane-1 , 2-diylbis(oxyethane-2 , 1-diyl) bis-methylacrylate) , Fatty acids , C14-18 and C16-18-unsatd. , maleated*
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.* *P233: Keep container tightly closed.* *P280: Wear protective gloves/protective clothing/eye protection/face 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.*

SECTION3:Composition/informationoningredients

3.2 Mixture

Chemical characterization — *Mixture with reactive acrylates*

Hazardous ingredients

Ingredient		*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*	*15.0 - 20.0 % by weight*
aliphatic urethanacrylate		*Skin Irrit. 2; H315 Eye Irrit. 2; H319*	*1.0 - 5.0 % by weight*
ethane-1,2-diylbis(oxyethane-2,1-diyl) bis-methylacrylate)	*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*
Fatty acids, C14-18 and C16-18-unsatd., maleated	*CAS No. : 85711-46-2* *EC-No. : 288-306-2* *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*

SECTION4:Firstaidmeasures

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.*

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention	*Treat symptomatically.*

SECTION5:Firefightingmeasures

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 fire fighting to enter drains or water courses.*

SECTION6:Accidentalreleasemeasures

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".*

SECTION7:Handlingandstorage

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.*
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	*Storage must be in accordance with the BetrSichV (Germany). 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*

SECTION8:Exposurecontrols/personalprotection

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*	*19*

Source : 19 - EH40/2005 Workplace exposure limits (2011)

Europe

Long-term exposure value/ ppm	*Short-term exposure value / ppm*	*Issuing date*	*Source*
50	*100*	*2009/161*	*24*

Source : 24 - DIRECTIVE 2009/161/EU

DNEL

Value	*Target group*	*Exposure route*	*Exposure frequency*	*Source*
210 mg/m³	*Workers*	*Inhalation*	*Long term effects Local*	*100*
210 mg/m³	*Workers*	*Inhalation*	*Long term effects systemic*	*100*
1,5 mg/cm²	*Workers*	*Skin*	*Long term effects Local*	*100*
13,67 mg/kg	*Workers*	*Skin*	*Long term effects systemic*	*100*
105 mg/m³	*Consumers*	*Inhalation*	*Long term effects Local*	*100*
74,3 mg/m³	*Consumers*	*Inhalation*	*Long term effects, systemic*	*100*
1,5 mg/cm²	*Consumers*	*Skin*	*Long term effects Local*	*100*
8,2 mg/kg	*Consumers*	*Skin*	*Long term effects systemic*	*100*
1,5 mg/cm²	*Consumers*	*Skin*	*Short-term effects Local*	*100*

Source : 100 - Firmendaten

PNEC

Value	*Exposure route*	*Source*
0,94 mg/l	*freshwater*	*100*
0,094 mg/l	*marine water*	*100*
5,74 mg/kg	*sediment*	*100*
1,47 mg/kg	*Soil*	*100*

Source : 100 - Firmendaten

2-ETHYLHEXYL ACRYLATE

DNEL

Value	*Target group*	*Exposure route*	*Exposure frequency*	*Source*
37,5 mg/m³	*Workers*	*Inhalation*	*Long term effects Local*	*100*
0,242 mg/cm²	*Workers*	*Skin*	*Long term effects Local*	*100*
0,242 mg/cm²	*Workers*	*Skin*	*Short-term effects Local*	*100*
4,5 mg/m³	*Consumers*	*Inhalation*	*Long term effects Local*	*100*

Source : 100 - Firmendaten

PNEC

Value	*Exposure route*	*Source*
0,002752 mg/l	*fresh water*	*100*
0,000272 mg/l	*seawater*	*100*
2,3 mg/l	*wastewater treatment plant*	*100*
0,126 mg/kg	*sediment Water*	*100*
0,126 mg/kg	*sediment seawater*	*100*
1,0 mg/kg	*Soil*	*100*
0,0023 mg/kg	*Intermittent release.*	*100*

Source : 100 - Firmendaten

ethane-1,2-diylbis(oxyethane-2,1-diyl) bis-methylacrylate)

DNEL

Value	*Target group*	*Exposure route*	*Exposure frequency*	*Source*
48,5 mg/m³	*Workers*	*Inhalation*	*Long term effects systemic*	*100*
13,9 mg/kg	*Workers*	*dermal exposure*	*Long term effects systemic*	*100*
14,5 mg/m³	*Consumers*	*Inhalation*	*Long term effects systemic*	*100*
8,33 mg/kg	*Consumers*	*dermal exposure*	*Long term effects systemic*	*100*
8,33	*Consumers*	*Oral*	*Long term effects systemic*	*100*

Source : 100 - Firmendaten

PNEC

Value	*Exposure route*	*Source*
0,164 mg/l	*freshwater*	*100*
0,274 mg/kg	*Soil*	*100*
0,185 mg/kg	*marine sediment*	*100*
1,85 mg/kg	*freshwater sediment*	*100*
10 mg/l	*Waste water treatment*	*100*
0,164 mg/l	*intermittent releases*	*100*
0,00164 mg/l	*marine water*	*100*

Source : 100 - Firmendaten

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

DNEL

Value	*Target group*	*Exposure route*	*Exposure frequency*	*Source*
2 mg/m³	*Workers*	*Inhalation*	*Long term effects*	*100*
0,6 mg/kg	*Workers*	*Skin*	*Long term effects*	*100*

Source : 100 - Firmendaten

PNEC

Value	*Exposure route*	*Source*
199,5	*Waste water treatment*	*100*
0,0072 mg/kg	*marine water*	*100*
0,017 mg/l	*freshwater*	*100*

Source : 100 - Firmendaten

8.2 Exposure controls

Respiratory protection	*In interiors and during exceeding of the air limit values carrying of protectiv masks is absolutely necessary.*
	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.*
Suitable material :	*Nitriles*
Unsuitable material :	*woven fabric, Leather gloves*
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.*

SECTION9:Physicalandchemicalproperties

9.1 Information on basic physical and chemical properties

Physical state	*flüssig*
Form	*liquid*
Colour	*different color-tone*
Odour	*typic for acrylates*
Boiling point [°C]	*>100 °C*
Flash point [°C]	*10°C*
*Evaporation rate [kg/(s*m²)]*	*not determined*
Vapour pressure [kPa]	*1000 hPa*
Temperature :	*50 °C*

Vapour density	*not determined*
Density [g/cm³]	*appr. 1,05 g/cm³*
Water solubility [g/l]	
Remarks :	*insoluble*
Partition coefficient n-octanol /water (log P O/W)	*not determined*
Explosive properties	*Not relevant*
Oxidising properties	*Not relevant*

9.2 Other information

Flow time [s]	*20-25 sec*
Temperature :	*20 °C*
Measuring method :	*DIN cup 6 mm*

SECTION10:Stabilityandreactivity

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*

SECTION11:Toxicologicalinformation

11.1 Information on toxicological effects

Hazardous ingredients

METHYL METHACRYLATE

Oral toxicity [mg/kg]	*Test criterion*	*Test species*	*Measuring method*	*Source*
>5000	*LD50*	*rat*	*OECD Test Guideline 401*	*100*

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	*Test criterion*	*Test species*	*Source*
>5000	*LD50*	*rabbit*	*100*

Source : 100 - Firmendaten

LC50 Inhalation 4h for vapours [mg/l]	*Test criterion*	*Test species*	*Source*
29,8 mg/l	*LC50*	*rat*	*100*

Source : 100 - Firmendaten

Irritant effect on skin	*irritating*
Test species	*rabbit*

Irritant effect on eyes	*Irritant*
Test species	*rabbit*
Sensitization	*Skin sensitization*
Test species	*mouse*
Carcinogenic effects	*not a carcinogen*
Test species	*rat, mouse Mutagenicity*
	not mutagenic
Reproduction toxicity	*not toxic to reproduction*

Specific target organ toxicity (single exposure) [mg/kg]	*Source*
Causes respiratory tract irritation.	*100*

Source : 100 - Firmendaten

Specific target organ toxicity (repeated exposure) [mg/kg]	*Source*
No known effect.	*100*

Source : 100 - Firmendaten

2-ETHYLHEXYL ACRYLATE

Oral toxicity [mg/kg]	*Test criterion*	*Test species*	*Source*
4435 mg/kg	*LD50*	*rat*	*100*

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	*Test criterion*	*Test species*	*Source*
7522 mg/kg	*LD50*	*rabbit*	*100*

Source : 100 - Firmendaten

Inhalative toxicity [mg/l]	*Test species*	*Exposure duration*	*Source*
1,19 mg/l	*rat*	*8 hours*	*100*

Source : 100 - Firmendaten

Irritant effect on skin	*Skin irritation*
Test species	*rabbit*
Exposure duration	*4 h*
Irritant effect on eyes	*slightly irritating*
Measuring method	*OECD Test Guideline 405*
Test species	*rabbit*
Sensitization	*Skin sensitization*
Carcinogenic effects	*No known effect.*
Mutagenicity	*No known effect.*
Reproduction toxicity	*No known effect.*

Specific target organ toxicity (single exposure) [mg/kg]	*Source*
Causes respiratory tract irritation.	*100*

Source : 100 - Firmendaten

Specific target organ toxicity (repeated exposure) [mg/kg]	*Source*
No known effect.	*100*

Source : 100 - Firmendaten

ethane-1,2-diylbis(oxyethane-2,1-diyl) bis-methylacrylate)

Oral toxicity [mg/kg]	*Test criterion*	*Test species*	*Remarks*	*Source*
10066 mg/kg	*LD50*	*rat*	*Information given is based on data on the components and the toxicology of similar products.*	*100*

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	*Test criterion*	*Test species*	*Source*
>2001 mg/kg	*LD50*	*mouse*	*100*

Source : 100 - Firmendaten

Irritant effect on skin	*No skin irritation*
Irritant effect on eyes	*No eye irritation*
Sensitization	*Skin sensitizer*
Carcinogenic effects	*No known effect.*
Mutagenicity	*No known effect.*
Reproduction toxicity	*No known effect.*

Specific target organ toxicity (repeated exposure) [mg/kg]	*Source*
No known effect.	*100*

Source : 100 - Firmendaten

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

Oral toxicity [mg/kg]	*Test criterion*	*Test species*	*Measuring method*	*Source*
>2001 mg/kg	*LD50*	*rat*	*OECD Test Guideline 423*	*100*

Source : 100 - Firmendaten

Irritant effect on skin	*Skin irritation*
Measuring method	*OECD 439 Skin irritation*
Irritant effect on eyes	*No eye irritation*
Measuring method	*OECD Test Guideline 405*
Sensitization	*May cause sensitization by skin contact.*
Measuring method	*OECD 429*
Mutagenicity	*negative*
Measuring method	*OECD 471, OECD 473, OECD 476*

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

Oral toxicity [mg/kg]	*Test criterion*	*Test species*	*Source*
45 mg/kg	*LD50*	*rat*	*100*

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	*Test criterion*	*Test species*	*Source*
2001 mg/kg	*LD50*	*rat*	*100*

Source : 100 - Firmendaten

Irritant effect on skin	*No skin irritation*
Irritant effect on eyes	*Irritant*
Sensitization	*No sensitization responses were observed.*
Mutagenicity	*negative*

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*

SECTION12:Ecologicalinformation

12.1 Toxicity

Hazardous ingredients

METHYL METHACRYLATE

Toxicity to fish [mg/l]	*Test criterion*	*Test species*	*Measuring method*	*Exposure duration*	*Source*
191 mg/l	*LC50*	*Oncorhynchus mykiss (rainbow trout)*	*OECD Test Guideline 203*	*96 h*	*100*

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Measuring method*	*Source*
69 mg/l	*EC 50*	*Daphnia magna (Water flea)*	*48 h*	*OECD Test Guideline 202*	*100*

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Measuring method*	*Source*
>110 mg/l	*EC 50*	*Selenastrum capricornutum (green algae)*	*72 h*	*OECD Test Guideline 201*	*100*

Source : 100 - Firmendaten

NOEC (fish) [mg/l]	*Test species*	*Measuring method*	*Source*
9,4	*Brachydanio rerio (zebra fish)*	*OECD Test Guideline 210*	*100*

Source : 100 - Firmendaten

NOEC (daphnia) [mg/l]	*Test species*	*Measuring method*	*Source*
37	*Daphnia magna (Water flea)*	*OECD Test Guideline 202*	*100*

Source : 100 - Firmendaten

Biodegradability	*Readily biodegradable.*
Method of analysis	*OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F*
Bioaccumulation	*Does not bioaccumulate.*
Mobility	

Mobility *Terrestrial Compartment Not relevant*

2-ETHYLHEXYL ACRYLATE

Toxicity to fish [mg/l]	*Test criterion*	*Test species*	*Measuring method*	*Exposure duration*	*Source*
1,81	*LC50*	*Oncorhynchus mykiss (rainbow trout)*	*OECD Test Guide-line 203*	*96 h*	*100*

Source : 100 - Firmendaten

Toxicity to daph-nia [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Measuring method*	*Source*
1,3	*EC 50*	*Daphnia magna (Water flea)*	*48 h*	*OECD Test Guide-line 202*	*100*

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Measuring method*	*Source*
1,71	*ErC50*	*Desmodesmus subspicatus*	*72 h*	*OECD Test Guide-line 201*	*100*

Source : 100 - Firmendaten

NOEC (algae) [mg/l]	*Test species*	*Measuring method*	*Source*
0,45	*Desmodesmus subspicatus*	*OECD Test Guideline 201*	*100*

Source : 100 - Firmendaten

Biodegradability *Readily biodegradable.*

Ready degradability

Bioaccumulation *Bioaccumulation slight, log Pow 4,64*

ethane-1,2-diylbis(oxyethane-2,1-diyl) bis-methylacrylate)

Toxicity to fish [mg/l]	*Test criterion*	*Test species*	*Measuring method*	*Exposure duration*	*Source*
16,4 mg/l	*LC50*	*Brachydanio rerio (zebra fish)*	*OECD Test Guide-line 203*	*96 h*	*100*

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Source*
30,2mg/l	*EC 50*	*Daphnia magna (Water flea)*	*21 day(s)*	*100*

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Measuring method*	*Source*
>101 mg/l	*EC 50*	*Pseudokirchneriel-la subcapitata*	*72 h*	*OECD Test Guide-line 201*	*100*

Source : 100 - Firmendaten

Biodegradability *Readily biodegradable.*

Ready degradability

Bioaccumulation *slight*

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

Toxicity to fish [mg/l]	*Test criterion*	*Test species*	*Measuring method*	*Exposure duration*	*Source*
>150 mg/l	*LC50*	*Leuciscus idus (Golden orfe)*	*DIN 38412*	*48 h*	*100*

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Measuring method*	*Source*
>101 mg/l	*EC 50*	*Daphnia magna (Water flea)*	*48 h*	*OECD Test Guideline 202*	*100*

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Measuring method*	*Source*
>101 mg/l	*ErC50*	*Pseudokirchneriella subcapitata*	*72 h*	*OECD Test Guideline 201*	*100*

Source : 100 - Firmendaten

Biodegradability *Not readily biodegradable.*

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

Toxicity to fish [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Source*
17	*LC50*	*Brachydanio rerio (zebra fish)*	*96 h*	*100*

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Source*
28,8	*EC 50*	*Daphnia magna (Water flea)*	*18 h*	*100*

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	*Test criterion*	*Test species*	*Exposure duration*	*Source*
245	*EC 50*	*Desmodesmus subspicatus*	*27 h*	*100*

Source : 100 - Firmendaten

Biodegradability *Poorly biodegradable.*

Bioaccumulation *no data available*

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination *This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).*

12.6 Other adverse effects

Further information on ecology *We have no quantitative data concerning the ecological effects of this product.*

SECTION13:Disposalconsiderations

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 04 10: waste adhesives and sealants other than those mentioned in 08 04 09 The EWC Nr. only apply for the liquid product.* *08 01 12: waste paint and varnish other than those mentioned in 08 01 11 The EWC Nr. only apply for the liquid product.* *17 02 03: plastic This EWC Nr. only apply for the hardened product.* *08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances*
Uncleaned empty packaging	– –

SECTION14:Transportinformation

	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*	*FARBE*	*Farbe*
14.2 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 – Flammable Liquid* 
Risk No.	*30*		
Category	*3*		
Factor	*1*		
Classification Code	*F1*		
SP 640	*640E*		
Tunnel restriction code	*D/E*		
Remarks	*(einschließlich Farbe, Lack, Emaille, Beize, Schellack, Firnis, Politur, flüssiger Füllstoff und flüssige Lackgrundlage)*	*(including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)*	*(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)*
EmS		*F-E;_S-E*	
Stowage category		*A*	

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	*Not relevant*

SECTION15:Regulatoryinformation

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Additional regulations	*Additionally, observe any national regulations!*

SECTION16:Otherinformation

Relevant H-phrases

H225: Highly flammable liquid and vapour.
H300: Fatal if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
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
Skin Irrit.: Skin irritation
Skin Sens.: Skin sensitization
STOT SE: Specific target organ toxicity – single exposure
Aquatic Chronic: Hazardous to the aquatic environment
Eye Irrit.: Serious eye irritation
Acute Tox.: Acute toxicity

Modifications since last version

Modifications of the previous version are denoted with an asterisk (*).

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	*evaluation*
Flam. Liq. 2; H225	
Skin Irrit. 2; H315	
Skin Sens. 1; H317	
STOT SE 3; H335	

Department issuing safety data sheet

Environmental Department

Further information

Full text of R-phrases referred to under sections 2 and 3

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.