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

1.1. Product identifier

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

Uses advised against

pregnant or breastfeeding people should not work with hazardous substances

1.3. Details of the supplier of the safety data sheet

Company name: DMG Chemisch-Pharmazeutische Fabrik GmbH

Street: Elbgaustraße 248
Place: D-22547 Hamburg

Telephone: +49. (0) 40. 84006-0 Telefax: +49. (0) 40. 84006-222

e-mail: info@dmg-dental.com Internet: www.dmg-dental.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)

Aliphatic epoxy diacrylate

2-hydroxyethyl methacrylate

Triethylene glycol dimethacrylate

Aliphatic epoxy acrylate

2-dimethylaminoethyl methacrylate

Signal word: Danger

Pictograms:





Hazard statements

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves and eye/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

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Special labelling of certain mixtures

60 - < 65 % of the mixture consists of ingredient(s) of unknown acute toxicity (dermal). 60 - < 65 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation). Contains 5 - < 10 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)	•	
85590-00-7	10-methacryloyloxydecyl dihydrog	en phosphate		5 - < 10 %
	Skin Irrit. 2, Eye Irrit. 2, STOT SE	3; H315 H319 H335		
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dimethacrylate (mixture of isomers		aza-hexadecane-1,16-diol	5 - < 10 %
	276-957-5		01-2120751202-68	
	Skin Sens. 1B, Aquatic Chronic 2;	H317 H411		
41637-38-1	ethoxylated bisphenol A dimethaci	ylate		1 - < 5 %
	609-946-4		01-2119980659-17	
	Aquatic Chronic 4; H413	•	•	
	Aliphatic epoxy diacrylate			1 - < 5 %
			01-2119980027-36	
	Acute Tox. 4, Eye Dam. 1, Skin Se	ens. 1B, Aquatic Chronic	4; H302 H318 H317 H413	
868-77-9	2-hydroxyethyl methacrylate			1 - < 5 %
	212-782-2	607-124-00-X	01-2119490169-29	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens.	1; H315 H319 H317	<u>'</u>	
109-16-0	Triethylene glycol dimethacrylate		1 - < 5 %	
	203-652-6		01-2119969287-21	
	Skin Sens. 1B; H317	·!	<u> </u>	
	Aliphatic epoxy acrylate	< 1 %		
	Skin Irrit. 2, Skin Sens. 1A, Aquation	Chronic 3; H315 H317	H412	
21245-02-3	2-Ethylhexyl 4-(dimethylamino)ber	zoate		< 1 %
	244-289-3		01-2120766649-35	
	Repr. 1B; H360		<u> </u>	
2867-47-2	2-dimethylaminoethyl methacrylate)		< 1 %
	220-688-8	607-132-00-3		
	Acute Tox. 4, Acute Tox. 4, Skin C	orr. 1C, Eye Irrit. 2, Skin	Sens. 1; H312 H302 H314 H319 H317	
72829-09-5	1,12-Dodecane Dimethacrylate			< 0.1 %
	276-900-4		01-2120756306-53	
	Skin Sens. 1B, Aquatic Acute 1, A			
80-62-6	methyl methacrylate; methyl 2-me	l 2-methylpropenoate	< 0.1 %	
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sen			

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Cond	c. Limits, M-factors and ATE	
72869-86-4	276-957-5	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)	5 - < 10 %
	oral: LD50 =	>5000 mg/kg	
41637-38-1	609-946-4	ethoxylated bisphenol A dimethacrylate	1 - < 5 %
	dermal: LD5	0 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
		Aliphatic epoxy diacrylate	1 - < 5 %
	oral: ATE =	500 mg/kg	
868-77-9	212-782-2	2-hydroxyethyl methacrylate	1 - < 5 %
	dermal: LD5	0 = >5000 mg/kg; oral: LD50 = 5564 mg/kg	
109-16-0	203-652-6	Triethylene glycol dimethacrylate	1 - < 5 %
	dermal: LD5	0 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
21245-02-3	244-289-3	2-Ethylhexyl 4-(dimethylamino)benzoate	< 1 %
	oral: LD50 =	14900 mg/kg	
2867-47-2	220-688-8	2-dimethylaminoethyl methacrylate	< 1 %
	dermal: ATE	= 1100 mg/kg; oral: LD50 = 1751 mg/kg	
72829-09-5	276-900-4	1,12-Dodecane Dimethacrylate	< 0.1 %
		>2000 mg/kg Aquatic Acute 1; H400: M=10 nic 1; H410: M=1	
80-62-6	201-297-1	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	< 0.1 %
	inhalation: L	C50 = 29,8 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Medical treatment necessary.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Call a doctor if you feel unwell.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable.

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5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up

Take up mechanically.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
128-37-0	2,6-Ditertiary-butyl-para-cresol	-	2		TWA (8 h)	
150-76-5	4-Methoxyphenol	-	5		TWA (8 h)	
80-62-6	Methyl methacrylate	50	-		TWA (8 h)	
		100	-		STEL (15 min)	
1309-37-1	Rouge, respirable dust	-	4		TWA (8 h)	
13463-67-7	Titanium dioxide, total inhalable dust	-	10		TWA (8 h)	

DNEL/DMEL values

CAS No	Substance			T	
DNEL type		Exposure route	Effect	Value	
72869-86-4	72869-86-4 7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)				
Worker DNEL,	long-term	inhalation	systemic	3,3 mg/m³	
Worker DNEL,	long-term	dermal	systemic	1,3 mg/kg bw/day	
41637-38-1	ethoxylated bisphenol A dimethacrylate				
Worker DNEL,	long-term	inhalation	systemic	3,52 mg/m³	
Worker DNEL,	long-term	dermal	systemic	2 mg/kg bw/day	
868-77-9	2-hydroxyethyl methacrylate				
Worker DNEL,	long-term	inhalation	systemic	4,9 mg/m³	
Worker DNEL,	long-term	dermal	systemic	1,3 mg/kg bw/day	
109-16-0	Triethylene glycol dimethacrylate				
Worker DNEL,	long-term	inhalation	systemic	48,5 mg/m³	
Worker DNEL,	long-term	dermal	systemic	13,9 mg/kg bw/day	
13463-67-7	titanium dioxide				
Worker DNEL,	long-term	inhalation	local	10 mg/m³	
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methy	2-methylpropenoate			
Worker DNEL,	long-term	inhalation	systemic	208 mg/m³	
Worker DNEL,	long-term	dermal	systemic	13,7 mg/kg bw/day	
Worker DNEL,	acute	dermal	local	1,5 mg/cm²	
128-37-0	2,6-Di-tert-butyl-4-methylphenol				
Worker DNEL,	long-term	inhalation	systemic	3,5 mg/m³	
Worker DNEL,	long-term	dermal	systemic	0,5 mg/kg bw/day	

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PNEC values

CACNI	Cultatanaa		
CAS No	Substance	l.,	
	al compartment	Value	
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadec isomers)	cane-1,16-diol dimethacrylate (mixture of	
Freshwater	,	0,01 mg/l	
Marine water	T	0,001 mg/l	
Freshwater s	sediment	4,56 mg/kg	
Marine sedim	nent	0,456 mg/kg	
Micro-organis	sms in sewage treatment plants (STP)	3,61 mg/l	
Soil		0,91 mg/kg	
868-77-9	2-hydroxyethyl methacrylate	·	
Freshwater		0,482 mg/l	
Freshwater s	sediment	3,79 mg/kg	
Micro-organis	sms in sewage treatment plants (STP)	10 mg/l	
Soil		0,476 mg/kg	
109-16-0	Triethylene glycol dimethacrylate		
Freshwater		0,164 mg/l	
Marine water	r	0,0164 mg/l	
Freshwater s	sediment	1,85 mg/kg	
Marine sedim	nent	0,185 mg/kg	
Micro-organis	sms in sewage treatment plants (STP)	10 mg/l	
Soil		0,274 mg/kg	
13463-67-7	titanium dioxide	·	
Freshwater		0,127 mg/l	
Freshwater (i	intermittent releases)	0,61 mg/l	
Marine water	r	1 mg/l	
Freshwater s	sediment	1000 mg/kg	
Marine sedim	nent	100 mg/kg	
Micro-organis	sms in sewage treatment plants (STP)	100 mg/l	
Soil		100 mg/kg	
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpr	openoate	
Freshwater	•	0,94 mg/l	
Marine water	r	0,094 mg/l	
Freshwater s	sediment	10,2 mg/kg	
Marine sedim	nent	10,2 mg/kg	
Micro-organis	sms in sewage treatment plants (STP)	10 mg/l	
Soil		1,48 mg/kg	
128-37-0	2,6-Di-tert-butyl-4-methylphenol	<u> </u>	
Freshwater		0,000199 mg/l	
Freshwater (i	intermittent releases)	0,00199 mg/l	
Marine water	T.	0,000199 mg/l	
Freshwater s	sediment	0,0996 mg/kg	
Marine sediment 0,00996			

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0,04769 mg/kg Soil

8.2. Exposure controls





Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste

Colour:

characteristic Odour:

not determined Melting point/freezing point: Boiling point or initial boiling point and not determined

boiling range:

Flammability: not determined Lower explosion limits: not determined Upper explosion limits: not determined Flash point: not applicable Auto-ignition temperature: not determined Decomposition temperature: not determined not determined pH-Value: The study does not need to be conducted Water solubility: because the substance is known to be

insoluble in water.

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined Vapour pressure: not determined not determined Density: Relative vapour density: not determined

9.2. Other information

Information with regard to physical hazard classes

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Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate: not determined Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) 11388,6 mg/kg

according to Regulation (EC) No 1907/2006

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CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
72869-86-4	7,7,9-(resp. 7,9,9-)Trime isomers)	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)						
	oral	LD50 mg/kg	>5000	Rat	supplier SDS	OECD 401		
41637-38-1	ethoxylated bisphenol A	dimethacryl	ate					
	oral	LD50 mg/kg	>2000	Rat	ECHA	OECD 423		
	dermal	LD50 mg/kg	>2000	Rat	ECHA	OECD 402		
	Aliphatic epoxy diacrylate	9						
	oral	ATE mg/kg	500					
868-77-9	2-hydroxyethyl methacry	late						
	oral	LD50 mg/kg	5564	Rat	supplier SDS			
	dermal	LD50 mg/kg	>5000	Rabbit	supplier SDS			
109-16-0	Triethylene glycol dimeth	acrylate						
	oral	LD50 mg/kg	>5000	Rat	supplier SDS			
	dermal	LD50 mg/kg	>2000	Mouse	supplier SDS			
21245-02-3	2-Ethylhexyl 4-(dimethyla	amino)benz	oate					
	oral	LD50 mg/kg	14900	Rat	ECHA	OECD 401		
2867-47-2	2-dimethylaminoethyl me	thacrylate						
	oral	LD50 mg/kg	1751	Rat	supplier SDS			
	dermal	ATE mg/kg	1100					
72829-09-5	1,12-Dodecane Dimetha	crylate						
	oral	LD50 mg/kg	>2000	Rat	supplier SDS/ ECHA			
80-62-6	methyl methacrylate; me	thyl 2-methy	ylprop-2-enoa	ite; methyl 2-methyl	propenoate			
	oral	LD50 mg/kg	>5000	Rat	supplier SDS			
	dermal	LD50 mg/kg	>5000	Rabbit	supplier SDS			
	inhalation (4 h) vapour	LC50	29,8 mg/l	Rat	supplier SDS			

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

according to Regulation (EC) No 1907/2006

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May cause an allergic skin reaction. (7,7,9-(resp.

7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers); Aliphatic epoxy diacrylate; 2-hydroxyethyl methacrylate; Triethylene glycol dimethacrylate; Aliphatic epoxy acrylate; 2-dimethylaminoethyl methacrylate; 1,12-Dodecane Dimethacrylate; mequinol; 4-methoxyphenol; hydroquinone monomethyl ether; methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

according to Regulation (EC) No 1907/2006

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CAS No	Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method	
41637-38-1	ethoxylated bisphenol A c	_	ate	11.311.3	-			
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Danio rerio (zebrafish)	supplier SDS		
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Pseudokirchneriella subcapitata	supplier SDS		
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna (Big water flea)	supplier SDS		
868-77-9	2-hydroxyethyl methacryla	ate						
	Acute fish toxicity	LC50 mg/l	>100	96 h	Oryzias latipes (Ricefish)	supplier SDS		
	Acute algae toxicity	ErC50	836 mg/l	72 h	Selenastrum capricornutum	supplier SDS		
	Acute crustacea toxicity	EC50	380 mg/l	48 h	Daphnia magna (Big water flea)	supplier SDS	OECD 202	
109-16-0	Triethylene glycol dimetha	acrylate						
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Pseudokirchneriella subcapitata		OECD 201	
	Crustacea toxicity	NOEC	32 mg/l	21 d	Daphnia magna (Big water flea)			
2867-47-2	2-dimethylaminoethyl methacrylate							
	Acute fish toxicity	LC50	19,1 mg/l	96 h	Oryzias latipes (Ricefish)	supplier SDS	OECD 203	
	Acute algae toxicity	ErC50	69,7 mg/l	72 h	Selenastrum capricornutum	supplier SDS	OECD 201	
	Acute crustacea toxicity	EC50	33 mg/l	48 h	Daphnia magna (Big water flea)	supplier SDS	OECD 202	
	Crustacea toxicity	NOEC	4,35 mg/l	21 d	Daphnia magna (Big water flea)	ECHA	OECD 211	
72829-09-5	1,12-Dodecane Dimethac	rylate						
	Acute algae toxicity	ErC50 mg/l	0,017	72 h	Pseudokirchneriella subcapitata	supplier SDS/ ECHA		
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna (Big water flea)	supplier SDS/ ECHA		
30-62-6	methyl methacrylate; met	hyl 2-methy	lprop-2-enoat	te; methy	/l 2-methylpropenoate			
	Acute fish toxicity	LC50 mg/l	>100	96 h		supplier SDS	OECD 203	
	Acute algae toxicity	ErC50	110 mg/l	72 h	Selenastrum capricornutum	ECHA		
	Fish toxicity	NOEC	9,4 mg/l			supplier SDS	OECD 210	
	Algae toxicity	NOEC mg/l	>110		Selenastrum capricornutum	supplier SDS	OECD 201	
	Crustacea toxicity	NOEC	37 mg/l		Daphnia magna (Big water flea)	supplier SDS	OECD 202	

12.2. Persistence and degradability

The product has not been tested.

according to Regulation (EC) No 1907/2006

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CAS No	Chemical name						
	Method	Value	d	Source			
	Evaluation						
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)						
	OECD 301F	22%	28				
	Not readily biodegradable (according to OECD criteria)						
41637-38-1	ethoxylated bisphenol A dimethacrylate						
	OECD 301D	24%	28				
	Not readily biodegradable (according to OECD criteria)						
	Aliphatic epoxy diacrylate						
	OECD 301F	56%	28				
	Biodegradable.						
368-77-9	2-hydroxyethyl methacrylate			_			
	OECD 301D	84	28				
	Easily biodegradable (concerning to the criteria of the OECD))					
109-16-0	Triethylene glycol dimethacrylate						
	OECD 301B	85%					
	Readily biodegradable (according to OECD criteria).						
2867-47-2	2-dimethylaminoethyl methacrylate						
	OECD 301E	95,3%	28				
	Easily biodegradable (concerning to the criteria of the OECD	0)					
72829-09-5	1,12-Dodecane Dimethacrylate						
	OECD 301B	97,3%	28				
	Easily biodegradable (concerning to the criteria of the OECE	0)					
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-r	nethylpropenoate					
	OECD 301C	94%	14				
	Readily biodegradable (according to OECD criteria).						

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
85590-00-7	10-methacryloyloxydecyl dihydrogen phosphate	3,53
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)	3,39
41637-38-1	ethoxylated bisphenol A dimethacrylate	5,62
	Aliphatic epoxy diacrylate	2,5
868-77-9	2-hydroxyethyl methacrylate	0,42
109-16-0	Triethylene glycol dimethacrylate	2,3
21245-02-3	2-Ethylhexyl 4-(dimethylamino)benzoate	6,2
2867-47-2	2-dimethylaminoethyl methacrylate	1,13
72829-09-5	1,12-Dodecane Dimethacrylate	6,5
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	1,38

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

according to Regulation (EC) No 1907/2006

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12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to 2012/18/EU

Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

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UN: United Nations

Revision date:

CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate LC50: Lethal concentration, 50%

LD50: Lethal dose, 50% LL50: Lethal loading, 50% EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

	<u> </u>
Classification	Classification procedure
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H	1225	Highly flammable liquid and vapour.
H	1302	Harmful if swallowed.
H	1312	Harmful in contact with skin.
H	1314	Causes severe skin burns and eye damage.
H	1 315	Causes skin irritation.
H	1317	May cause an allergic skin reaction.
H	1318	Causes serious eye damage.
H	1319	Causes serious eye irritation.
H	1335	May cause respiratory irritation.
H	1360	May damage fertility or the unborn child.
H	1400	Very toxic to aquatic life.
H	1410	Very toxic to aquatic life with long lasting effects.
H	1411	Toxic to aquatic life with long lasting effects.
H	1412	Harmful to aquatic life with long lasting effects.
H	1413	May cause long lasting harmful effects to aquatic life.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)