Trade name: Fotoplast S IO opaque

Substance number: S0021

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 16.05.2024 Print date: 16.05.2024

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

1.1. Product identifier

Fotoplast S IO opaque

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

Use of the substance/preparation

Light-curing material for the production of earmolds

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Otoplastik GmbH Max-Planck-Straße 31 DE-59423 Unna Telephone no. +49 2303 8807-0 Fax no. +49 2303 8807-29 Information provided by / telephone E-mail address of person responsible for this SDS

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1 H317

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008 For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Safety data sheet in accord	lance with regulation (EC) No 1907/2006	Dreve	
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H317	May cause an allergic skin reaction.		
H412	Harmful to aquatic life with long lasting effects.		
Precautionary state	ments		
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.		
P273	Avoid release to the environment.		
P280	Wear protective gloves/protective clothing/eye protecti	ion/face protection.	
P302+P352	IF ON SKIN: Wash with plenty of soap and water.		
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.		
P501.1	Dispose of contents/container to industrial incineration	n plant.	
Hazardous compone	ent(s) to be indicated on label (Regulation (EC) N	lo. 1272/2008)	
contains	2-hydroxyethyl methacrylate; Hydroxylpropyl methacry 4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diy Propylidynetrimethanol, ethoxylated, esters with acryli	/lbismethacrylate;	

2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Hazardous ingredients ***

7,7,9(7,9,9)-trimethyl-4 CAS No. EINECS no. Registration no.	,13-dioxo-3,14-dioxa-5,1 2 72869-86-4 276-957-5 01-2120751202-68	2-diazał	nexadecan	e-1,16-diylbismethacrylate
Concentration	>= 2,5	<	10	%
Classification (Regula	tion (EC) No. 1272/2008) Skin Sens. 1B Aquatic Chronic 2	H317 H411		
2-hydroxyethyl methad	crylate			
CAS No.	868-77-9			
EINECS no. Registration no.	212-782-2 01-2119490169-29			
Concentration	>= 1	<	3,9	%
	tion (EC) No. 1272/2008)		0,0	,.
	Skin Irrit. 2	H315		
	Eye Irrit. 2	H319		
	Skin Sens. 1	H317		
Additional remarks: CLP	Regulation (EC) No 1272	2/2008,	Annex VI, N	lote D
Aliphatic urethane met	e ()		,	
EINECS no. Concentration Classification (Regula	933-881-3 >= 1 tion (EC) No. 1272/2008)	<	3,5	%
	Eye Irrit. 2	H319		

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				~	Print date: 16.05.202
	Replace	s versio	n: 1 / Gt	5	Print date: 16.05.202
Hydroxylpropyl methacryl	ate				
	813-02-1				
	8-666-3				
Registration no. 01	-2119490226-37				
Concentration	>= 1	<	2,4	%	
Classification (Regulation					
	e Irrit. 2	H319			
Ski	n Sens. 1	H317			
ATE oral		2.000	m	g/kg	
Diphenyl(2,4,6-trimethylbe	nzoyl)phosphine oxi	de			
	980-60-8				
EINECS no. 27	8-355-8				
0	-2119972295-29				
Concentration	>= 0,1	<	1	%	
Classification (Regulation		110044			
Re	pr. 2	H361f			
Supplemental information					
	e substance is contair gulation (EC) No. 190				clusion in Annex XIV of
Propylidynetrimethanol, et		th acryl	ic acid		
	961-43-5				
	0-066-5				
	-2119489900-30		4	0/	
Concentration Classification (Regulation	>= 0,1	<	1	%	
	e Irrit. 2	H319			
	in Sens. 1B	H317			
	uatic Chronic 3	H412			

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

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First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO2, powders, water spray/mist, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor`s instructions.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Pick up rest with suitable absorbent materials. Do not pick up with the help of saw-dust or other combustible substances. Clean contaminated floors and objects thoroughly, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

6.4. Reference to other sections

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Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid formation of aerosols. Avoid impact, friction and electro-static loading; risk of ignition!. Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges. Avoid impact and friction. Use only explosion-proof equipment. Keep away from combustible material. Wear shoes with conductive soles.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

Do not store together with foodstuffs. Do not store with strong oxidizing agents.

Further information on storage conditions

Keep under lock and key or accessible only to specialists or people who are authorized. Keep container tightly closed and in a well-ventilated place. Keep in a cool place

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration	Derived No Effect Level (DNEL) Worker Long term dermal Systemic effects 0,233	mg/kg/d
Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration	Derived No Effect Level (DNEL) Consumer Long term inhalative Systemic effects 0,145	mg/m³
Type of value Reference group Duration of exposure Route of exposure Mode of action	Derived No Effect Level (DNEL) Consumer Long term dermal Systemic effects	



Substance number: S0021	Version: 2 / GB	Date revised: 16.05.202
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Concentration	0,0833	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,0833	mg/kg/d
2-hydroxyethyl methacrylate	e	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	4,9	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1,39	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1,45	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,83	mg/kg/d
Hydroxylpropyl methacrylat	e	
Reference substance	Hydroxylpropyl methacrylate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Concentration	14,7	mg/m³
	Hydroxylpropyl methacrylate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	<i>"</i> , <i>"</i> ,
Concentration	4,2	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	dermal	
Concentration	2,5	mg/kg



ubstance number: S0021	Version: 2 / GB	Date revised: 16.05.20
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Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Concentration	8,8	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	oral	
Concentration	2,5	mg/kg
7,7,9(7,9,9)-trimethyl-4,13-d	lioxo-3,14-dioxa-5,12-diazahexadecane-1	,16-diylbismethacrylate
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3,3	mg/m³
		3
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1,3	mg/kg
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,6	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,3	mg/kg
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,7	mg/kg
Pronulidunatrimathanal at	hoxylated, esters with acrylic acid	
	Derived No Effect Level (DNEL)	
Type of value	Worker	
Reference group		
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	m a /m 3
Concentration	37	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	

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zts
mg/kg
ide
14 mg/l
diment
mg/kg
ent
5 mg/kg
2 mg/kg
mg/l
mg/kg
nent plant (STP)
mg/l
diment
mg/kg
//
mg/l
ent "
mg/kg
nvironment mg/kg/d
ttent release)

Trade name: Fotoplast S IO opaque		
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Hydroxylpropyl methacrylate Reference substance	e Hydroxylpropyl methacrylate	
Type of value	PNEC	
Туре	Freshwater	
Concentration	0,904	mg/l
	Hydroxylpropyl methacrylate	
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	6,28	mg/kg
Type of yolue	Hydroxylpropyl methacrylate PNEC	
Type of value Type	Soil	
Concentration	0,727	mg/kg
Concentration	0,121	inging .
	Hydroxylpropyl methacrylate	
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	10	mg/l
Type of value	PNEC	
Туре	Marine	
Concentration	0,904	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	6,28	mg/kg
7,7,9(7,9,9)-trimethyi-4,13-dic Type of value	oxo-3,14-dioxa-5,12-diazahexadecane- PNEC	1,16-divibismethacrylate
Type	Freshwater	
Concentration	0,01	mg/l
		-
Type of value	PNEC	
Type Concentration	Freshwater sediment	malka
Concentration	4,56	mg/kg
Type of value	PNEC	
Туре	Saltwater	
Concentration	0,001	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,46	mg/kg
Type of value Type	PNEC Soil	
Concentration	0,91	mg/kg
Type of value	PNEC	
Type Concentration	Sewage treatment plant (STP)	mal
Concentration	3,61	mg/l
Type of value	PNEC	
Туре	Water (intermittent release)	

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Concentration	0,1	mg/l		
Propylidynetrimethanol, e	ethoxylated, esters with acrylic acid			
Type of value	PNEC			
Туре	Freshwater			
Concentration	0,002	mg/l		
Type of value	PNEC			
Type	Saltwater			
Concentration	0,0002	mg/l		
Type of value	PNEC			
Туре	Sewage treatment plant (STP)			
Concentration	10	mg/l		
Туре	Freshwater sediment			
Concentration	0,038	mg/kg		
Type of value	PNEC			
Туре	Marine sediment			
Concentration	0,004	mg/kg		
Type of value	PNEC			
Туре	Soil			
Concentration	0,006	mg/kg		
	-,			

8.2. Exposure controls

General protective and hygiene measures

Do not smoke during work time. Hold emergency shower available. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

Do not inhale vapours: Use suitable respiratory protective device in case of insufficient ventilation

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Hand protection must comply with EN 374. Butyl rubber

Appropriate Material

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Frade name: Fotoplast S IO opaque	9		
Substance number: S0021	Version: 2 / GB		Date revised: 16.05.202
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Physical state	liquid		
Colour	Various, depending on coloration		
Odour	characteristic		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Boiling point or initial boil	ing point and boiling range		
Value	201	°C	
Flammability			
evaluation	not determined		
Upper and lower explosive			
Remarks	not determined		
Flash point			
Value	101	°C	
Method	closed cup	U	
Ignition temperature			
Remarks	not determined		
Decomposition temperatu	Ire		
Remarks	not determined		
pH value			
Remarks	not determined		
Viscosity			
Remarks	not determined		
Solubility(ies)			
Remarks	not determined		
Partition coefficient n-oct			
Remarks	not determined		
Vapour pressure	not determined		
Remarks	not determined		
Density and/or relative de			
Value	1,1	g/cm ³	
Temperature	20 °C	g/cm ²	
Relative vapour density			
Remarks	not determined		
9.2. Other information			
Odour threshold			
Remarks	not determined		
Evaporation rate (ether =			
Remarks	not determined		
Solubility in water	not dotorninou		
Remarks	virtually insoluble		
Explosive properties			
evaluation	not determined		
Oxidising properties	nor actornineu		

Safety data sheet in accordance with regulation (EC) No 1907/2006 Trade name: Fotoplast S IO opaque Substance number: S0021 Version: 2 / GB Date revised: 16.05.2024 Replaces Version: 1 / GB Print date: 16.05.2024 Remarks not determined Other information None known SECTION 10: Stability and reactivity 10.1. Reactivity No hazardous reactions when stored and handled according to prescribed instructions. 10.2. Chemical stability No hazardous reactions known. 10.3. Possibility of hazardous reactions No hazardous reactions known. 10.4. Conditions to avoid Protect from heat and direct sunlight 10.5. Incompatible materials None known 10.6. Hazardous decomposition products Irritant gases/vapours **SECTION 11: Toxicological information** 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute oral toxicity ATE 10.000 > mg/kg calculated value (Regulation (EC) No. 1272/2008) Method Acute oral toxicity (Components) Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide Species rat LD50 5000 mg/kg **OECD 401** Method 2-hydroxyethyl methacrylate **Species** rat LD50 5564 mg/kg > Hydroxylpropyl methacrylate Species rat LD50 2000 mg/kg >= **OECD 401** Method 7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate Species rat LD50 5000 mg/kg > Method **OECD 401**

MethodOECD 401Propylidynetrimethanol, ethoxylated, esters with acrylic acidSpeciesratLD50> 2000MethodOECD 401

mg/kg

rade name: Fotoplast S IO opaq	Ie			
Substance number: S0021		Version: 2 / GB		Date revised: 16.05.20
Substance number: 50021			n: 1 / CP	Print date: 16.05.20
		Replaces Versic	n. 17 GB	
Aliphatic urethane metha	crylate			
Species	rat			
LD50	>	2000	mg/kg	
Acute dermal toxicity				
Remarks	Based	on available data, t	he classification criteria	a are not met.
Acute dermal toxicity (C	omponen	ts)		
Diphenyl(2,4,6-trimethylbo	enzoyl)pho	osphine oxide		
Species	rat	•		
LD50	>	2000	mg/kg	
Method	OECD	402		
2-hydroxyethyl methacryl				
Species LD50	hamst	er 5000	malka	
Remarks	> Test c	onducted with a sim	mg/kg	
Hydroxylpropyl methacry				
Species	rabbit			
LD50	>	5000	mg/kg	
7,7,9(7,9,9)-trimethyl-4,13-	dioxo-3,14	4-dioxa-5,12-diazal	nexadecane-1,16-diylb	bismethacrylate
Species	rat			•
LD50	>	2000	mg/kg	
Method	OECD			
Propylidynetrimethanol, e		d, esters with acry	ic acid	
Species LD50	rabbit	13200	malka	
	< <	13200	mg/kg	
Aliphatic urethane methae Species	rabbit			
LD50	>	2000	mg/kg	
Acute inhalational toxici	tv		5 5	
Remarks	•	on available data t	he classification criteria	a are not met
Acute inhalative toxicity				
•	•••	ients <i>j</i>		
Aliphatic urethane methae Remarks	•	on available data t	he eleccification criteric	are not mot
	Daseu	Un avaliable uala, i	he classification criteria	a are not met.
Skin corrosion/irritation				
Remarks			he classification criteria	a are not met.
Skin corrosion/irritation	(Compon	ients)		
Aliphatic urethane methao Remarks	-	on available data, t	he classification criteria	a are not met.
Serious eye damage/irrit	ation			
Remarks	Based	on available data, t	he classification criteria	a are not met.
Serious eye damage/irrit	ation (Co	mponents)		
2-hydroxyethyl methacryl	•	• •		
Species	rabbit			
evaluation		/ irritant		
Hydroxylpropyl methacry				
Species	rabbit			
evaluation		/ irritant		
Propylidynetrimethanol, e	-	d, esters with acry	ic acid	
Species	rabbit			
evaluation	irritant			

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Method	OECD 405	
Aliphatic urethane meth		
Species	rabbit	
evaluation	irritant	
Sensitization		
evaluation	May cause sensitization by skin contact.	
Remarks	The classification criteria are met.	
Sensitization (Compon	ents)	
Diphenyl(2,4,6-trimethyl Route of exposure	benzoyl)phosphine oxide dermal	
Species	mouse	
evaluation	May cause sensitization by skin contact.	
2-hydroxyethyl methacr	ylate	. h cia na
Remarks	Possible sensitization potential with human	i beings.
Hydroxylpropyl methac Species	-	
evaluation	mouse non-sensitizing	
Method	OECD 429	
Remarks	May cause sensitization by skin contact.	
7,7,9(7,9,9)-trimethyl-4,1	3-dioxo-3,14-dioxa-5,12-diazahexadecane-1,10	6-diylbismethacrylate
Route of exposure	dermal	
Species	mouse	
evaluation	sensitizing	
Route of exposure	ethoxylated, esters with acrylic acid dermal	
Species	guinea pig	
evaluation	sensitizing	
Method	OECD 406	
Aliphatic urethane meth Remarks	acrylate Based on available data, the classification	criteria are not met
Subacute, subchronic,	,	
Remarks	not determined	
Mutagenicity	hot determined	
Remarks	Based on available data, the classification	critoria are not mot
	-	ciliena are not met.
Mutagenicity (Compon	•	
Aliphatic urethane meth evaluation	acrylate Based on available data, the classification	criteria are not met.
Reproductive toxicity		
Remarks	Based on available data, the classification	criteria are not met.
Reproduction toxicity (-	
	• •	
evaluation	benzoyl)phosphine oxide Suspected of damaging fertility.	
Aliphatic urethane meth Remarks	acrylate Based on available data, the classification	criteria are not met.
Carcinogenicity		
Remarks	Based on available data, the classification	criteria are not met.
Carcinogenicity (Comp	onents)	
Aliphatic urethane meth	•	
evaluation	Based on available data, the classification	criteria are not met

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Specific Target Organ Toxicity (STOT)

Single exposure Remarks

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

Repeated exposure Remarks

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

Specific Target Organ Toxicity (STOT) (Components)

Aliphatic urethane methacrylate

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

Aspiration hazard

Remarks

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

11.2 Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information						
12.1. Toxicity						
General information not determined						
Fish toxicity (Components)						
Diphenyl(2,4,6-trimethylbenz	oyl)phc	sphine ox	ide			
Species LC50 Duration of exposure Method	carp (C	Cyprinus ca 1,4 96 203	rpio) h	mg/l		
2-hydroxyethyl methacrylate						
Species LC50 Duration of exposure Method	Oryzia > OECD	s latipes 100 96 203	h	mg/l		
Hydroxylpropyl methacrylate						
Species LC50 Duration of exposure Method	0	orfe (Leuci 493 48 3412 / Part ⁻	h	mg/l		
7,7,9(7,9,9)-trimethyl-4,13-dio	xo-3,14	l-dioxa-5,1	2-diazahexadecane	e-1,16-diylbismethacrylate		
Species LC50 Duration of exposure Method	zebra f	10,1 96	/danio rerio) h	mg/l		
Propylidynetrimethanol, etho Species	-	l, esters w i baerbling	ith acrylic acid			

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LC50	1,95		mg/l	
Duration of exposure	96	h	iiig/i	
Method	OECD 203			
Daphnia toxicity (Compo	onents)			
Diphenyl(2,4,6-trimethylbe	enzoyl)phosphine o	xide		
Species	Daphnia magna			
EC50	3,53		mg/l	
Duration of exposure	48	h		
Method	OECD 202			
2-hydroxyethyl methacryl				
Species EC50	Daphnia magna 380		mg/l	
Duration of exposure	48	h	iiig/i	
Method	OECD 202	11		
2-hydroxyethyl methacryl				
Species	Daphnia magna			
NOEC	24,1		mg/l	
Duration of exposure	21	d	-	
Method	OECD 211			
Hydroxylpropyl methacry	ate			
Species	Daphnia magna		-	
EC50	> 143	1.	mg/l	
Duration of exposure Method	48 OECD 202	h		
Hydroxylpropyl methacryl Species				
NOEC	Daphnia magna 45,2		mg/l	
Duration of exposure	21	d	iiig/i	
Method	OECD 211	-		
7,7,9(7,9,9)-trimethyl-4,13-	dioxo-3,14-dioxa-5, ⁻	12-diazahexadeca	ne-1,16-diylbis	methacrylate
Species	Daphnia magna			•
EC50	1,2		mg/l	
Duration of exposure	48	h		
Method	OECD 202			
Propylidynetrimethanol, e		with acrylic acid		
Species EC50	Daphnia magna 70,7		mg/l	
Duration of exposure	48	h	ilig/i	
Method	OECD 202			
Algae toxicity (Compone	nts)			
Diphenyl(2,4,6-trimethylbe	-	xide		
Species	Pseudokirchnerie			
EC50	> 2,01	·	mg/l	
Duration of exposure	72	h		
Method	OECD 201			
2-hydroxyethyl methacryl				
Species	Pseudokirchnerie	ella subcapitata		
EC50 Duration of exposure	345 72	h	mg/l	
Duration of exposure Method	0ECD 201	h		
Hydroxylpropyl methacryl Species	Pseudokirchnerie	ella subcanitata		
EC50	> 97,2	a cascapitata	mg/l	

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Duration of exposure	72	h			
Method	OECD 201				
7,7,9(7,9,9)-trimethyl-4,13-				ane-1,16-diy	lbismethacrylate
Species		nus subspica	tus	(1	
EC50	> 0,6			mg/l	
Duration of exposure Method	72 OECD 201	h			
Propylidynetrimethanol, e		ters with ac	vlic acid		
Species		nus subspica			
EC50	2,2			mg/l	
Duration of exposure	72	h			
Method	OECD 201				
Bacteria toxicity (Compo	onents)				
Diphenyl(2,4,6-trimethylbe	enzoyl)phosphi	ine oxide			
Species	activated sl	udge			
EC50	> 100	00		mg/l	
Duration of exposure	3	h			
Method	OECD 209				
2-hydroxyethyl methacryl	ate				
Species		nas fluoresce	ens		
EC0	> 300			mg/l	
Duration of exposure	16	h			
7,7,9(7,9,9)-trimethyl-4,13-			ahexadec	ane-1,16-diy	lbismethacrylate
Species	activated sl	0			
NOEC	>= 36,			mg/l	
Duration of exposure	14	d			
Propylidynetrimethanol, e	•		ylic acid		
Species EC20	activated sl	•		~~~~~/l	
Duration of exposure	292	د h		mg/l	
Method	OECD 209	11			
12.2. Persistence and degr					
	adabiiity				
General information					
not determined					
Biodegradability (Compo					
Diphenyl(2,4,6-trimethylbe			4.0	0.4	
Value	< 0	to	10	%	
Duration of test	28	d			
evaluation	not readily	uegradable			
2-hydroxyethyl methacryl		10	100	0/	
Value Duration of test	92 14	to d	100	%	
evaluation		ŭ	according	to OECD crite	aria)
7,7,9(7,9,9)-trimethyl-4,13-	•	-	-		,
Value	22	⊼a-J, I ∠- UId2		%	ואוסוווכנוומטו אומופ
Duration of test	22	d		/0	
evaluation	not readily				
Propylidynetrimethanol, e	•	-	vlic acid		
Value	58	to	61	%	
	28	d		70	
Duration of test	20	(1			

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Roady dogradability (Comp	(nonto)				
Ready degradability (Compo Hydroxylpropyl methacrylate	nents)				
Value	81			%	
Duration of test	28	Days			
12.3. Bioaccumulative potenti	al				
General information					
Partition coefficient n-octan	ol/water (log v	value)			
Remarks	not determin	-			
Octanol/water partition coef	ficient (log Po	w) (Comp	onents)		
Diphenyl(2,4,6-trimethylbenzo		<i>,</i>	,		
log Pow	3,1				
Temperature	23	°C			
2-hydroxyethyl methacrylate	0.42				
log Pow Temperature	0,42 25	°C			
Method	OECD 107				
Hydroxylpropyl methacrylate					
log Pow Temperature	0,97 20	°C			
7,7,9(7,9,9)-trimethyl-4,13-diox	-	-	exadecar	ne-1 16-divlbismethacrylate	
log Pow	3,39		oxuuooui		
Temperature	20	°C			
Propylidynetrimethanol, ethox log Pow	kylated, esters 2,89	•	c acid		
Temperature	2,89	°C			
Method	OECD 107				
Bioconcentration factor (BC	F) (Compone	nts)			
Diphenyl(2,4,6-trimethylbenzo	• • • •	oxide			
BCF Concentration	47 0,1 mg/l	to	55		
Duration of exposure	8 Wee				
Medium	Freshwater				
Species	carp (Cyprin	us carpio)			
12.4. Mobility in soil					
General information					
not determined					
12.5. Results of PBT and vPvE	B assessmer	nt			
General information					
not determined					
Results of PBT and vPvB as					
The product contains no PBT The product contains no vPvB					
12.6 Endocrine disrupting pro	perties				
Endocrine disrupting proper	-	pect to the	envrior	nment	
The product does not contain	-				

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12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Must not be disposed together with household garbage. Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-

SECTION 15: Regulatory information

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

Other information

All components are contained in the TSCA inventory or exempted.

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

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SECTION 16: Other information Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: Classification (Regulation (EC) No. 1272/2008) Skin Sens. 1 H317 Calculation method Aquatic Chronic 3 Calculation method H412 Hazard statements listed in Chapter 2/3 H315 Causes skin irritation. May cause an allergic skin reaction. H317 Causes serious eye irritation. H319 H361f Suspected of damaging fertility. H411 Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. H412 CLP categories listed in Chapter 2/3 Aquatic Chronic 2 Hazardous to the aquatic environment, chronic, Category 2

Aquatic Chronic 2Hazardous to the aquatic environment, chronic, Category 2Aquatic Chronic 3Hazardous to the aquatic environment, chronic, Category 3Eye Irrit. 2Eye irritation, Category 2Repr. 2Reproductive toxicity, Category 2Skin Irrit. 2Skin sensitization, Category 2Skin Sens. 1Skin sensitization, Category 1Skin Sens. 1BSkin sensitization, Category 1B

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.