Substance number: 9370

Version: 1 / GB Replaces Version: - / GB Date revised: 26.04.2023 Print date: 26.04.2023

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

### 1.1. Product identifier

FotoDent guide

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

### Use of the substance/preparation

Material on methacrylate resin basis for DLP systems with 385nm resp. 405nm LED for manufacturing of dental surgical drill guides for tooth-supported and/or teethridge-supported and surgical invasive application

## 1.3. Details of the supplier of the safety data sheet

### Address/Manufacturer

Dreve Dentamid GmbH Max-Planck-Straße 31 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)

Eye Irrit. 2	H319
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



טמוכנץ שמום שוויכל ווו מננטוט	ance with regulation (EC)	No 1907/2006		Dreve
Trade name: FotoDent guide				
Substance number: 9370	Version	1/GB		Date revised: 26.04.2023
	Replace	s Version: -/G	В	Print date: 26.04.2023
Hazard statements				
H319	Causes serious eye irrita			
H317	May cause an allergic sl			
H412	Harmful to aquatic life w	ith long lasting e	effects.	
Precautionary state				
P261 P264.1	Avoid breathing dust/fun Wash hands thoroughly		ours/spray.	
P204.1 P273	Avoid release to the env			
P280	Wear protective gloves/		na/eve protecti	on/face protection.
P305+P351+P338	IF IN EYES: Rinse cauti			
	lenses, if present and ea			
P501.1	Dispose of contents/con	tainer to industri	al incineration	plant.
-	ent(s) to be indicated or		• •	-
contains	2-hydroxyethyl methacry 4,13-dioxo-3,14-dioxa-5			late; 7,7,9(7,9,9)-trimethyl- Ibismethacrylate
2.3. Other hazards				
	have to be mentioned.			
•	s no PBT substances. The	product contains	no vPvB subs	tances. This product does
	nce that has endocrine disr			
	ubstance that has endocrin	e disrupting prop	perties with res	spect to non-target
organisms.				
SECTIC	N 3: Composition	/informatio	n on ingr	edients
SECTIO 3.2. Mixtures	N 3: Composition	/informatio	n on ingr	edients
3.2. Mixtures		/informatio	n on ingro	edients
3.2. Mixtures Hazardous ingredier	nts	/informatio	n on ingre	edients
3.2. Mixtures	nts	/informatio	n on ingre	edients
3.2. Mixtures Hazardous ingredier Bisphenol A, ethoxyl CAS No. EINECS no.	nts ated, dimethacrylate 41637-38-1 609-946-4	/informatio	n on ingr	edients
3.2. Mixtures Hazardous ingredier Bisphenol A, ethoxyl CAS No. EINECS no. Registration no.	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17	/informatio		edients
3.2. Mixtures Hazardous ingredier Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50	/informatio	n on ingre	edients
3.2. Mixtures Hazardous ingredier Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008)			edients
3.2. Mixtures Hazardous ingredier Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50	<b>/informatio</b> H413		edients
<b>3.2. Mixtures</b> Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4	H413	%	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No.	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4	H413	%	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no.	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5	H413	%	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no.	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68	H413 <b>2-diazahexade</b> d	% cane-1,16-diyl	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68 >= 2,5	H413	%	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68	H413 <b>2-diazahexade</b> d	% cane-1,16-diyl	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68 >= 2,5 ation (EC) No. 1272/2008)	H413 <b>2-diazahexadeo</b> < 10	% cane-1,16-diyl	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68 >= 2,5 ation (EC) No. 1272/2008) Skin Sens. 1B Aquatic Chronic 2	H413 <b>2-diazahexadeo</b> < 10 H317	% cane-1,16-diyl	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul 2-hydroxyethyl metha CAS No.	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68 >= 2,5 ation (EC) No. 1272/2008) Skin Sens. 1B Aquatic Chronic 2	H413 <b>2-diazahexadeo</b> < 10 H317	% cane-1,16-diyl	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul 2-hydroxyethyl metha CAS No. EINECS no.	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68 >= 2,5 ation (EC) No. 1272/2008) Skin Sens. 1B Aquatic Chronic 2 acrylate 868-77-9 212-782-2	H413 <b>2-diazahexadeo</b> < 10 H317	% cane-1,16-diyl	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul 2-hydroxyethyl metha CAS No. EINECS no. Registration no. CAS No. EINECS no. Registration no.	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68 >= 2,5 ation (EC) No. 1272/2008) Skin Sens. 1B Aquatic Chronic 2 acrylate 868-77-9 212-782-2 01-2119490169-29	H413 <b>2-diazahexadeo</b> < 10 H317 H411	% cane-1,16-diy %	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul 2-hydroxyethyl metha CAS No. EINECS no. Registration no. CAS No. EINECS no. Registration no. Concentration	ated, dimethacrylate   41637-38-1   609-946-4   01-2119980659-17   >=   50   ation (EC) No. 1272/2008)   Aquatic Chronic 4   4,13-dioxo-3,14-dioxa-5,1   72869-86-4   276-957-5   01-2120751202-68   >= 2,5   ation (EC) No. 1272/2008)   Skin Sens. 1B   Aquatic Chronic 2   acrylate   868-77-9   212-782-2   01-2119490169-29   >= 1	H413 <b>2-diazahexadeo</b> < 10 H317	% cane-1,16-diyl	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul 2-hydroxyethyl metha CAS No. EINECS no. Registration no. CAS No. EINECS no. Registration no. Concentration	nts ated, dimethacrylate 41637-38-1 609-946-4 01-2119980659-17 >= 50 ation (EC) No. 1272/2008) Aquatic Chronic 4 4,13-dioxo-3,14-dioxa-5,1 72869-86-4 276-957-5 01-2120751202-68 >= 2,5 ation (EC) No. 1272/2008) Skin Sens. 1B Aquatic Chronic 2 acrylate 868-77-9 212-782-2 01-2119490169-29 >= 1 ation (EC) No. 1272/2008)	H413 <b>2-diazahexadeo</b> < 10 H317 H411 < 6,3	% cane-1,16-diy %	
3.2. Mixtures Hazardous ingredien Bisphenol A, ethoxyl CAS No. EINECS no. Registration no. Concentration Classification (Regul 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul 2-hydroxyethyl metha CAS No. EINECS no. Registration no. CAS No. EINECS no. Registration no. Concentration	ated, dimethacrylate   41637-38-1   609-946-4   01-2119980659-17   >=   50   ation (EC) No. 1272/2008)   Aquatic Chronic 4   4,13-dioxo-3,14-dioxa-5,1   72869-86-4   276-957-5   01-2120751202-68   >= 2,5   ation (EC) No. 1272/2008)   Skin Sens. 1B   Aquatic Chronic 2   acrylate   868-77-9   212-782-2   01-2119490169-29   >= 1	H413 <b>2-diazahexadeo</b> < 10 H317 H411	% cane-1,16-diy %	

Safety data sheet in accorda	nce with regulation (EC)	No 1907	7/2006	5	Dreve
Trade name: FotoDent guide					
Substance number: 9370	Version:	1 / GB			Date revised: 26.04.2023
	Replace	s Versio	n: -/	GB	Print date: 26.04.2023
	Skin Sens. 1	H317			
Additional remarks: CLP	Regulation (EC) No 1272	2/2008, /	Annex	VI, Note D	
Aliphatic urethane me	<b>e</b> ( )	,		,	
Concentration	>= 1	<	10	%	
Classification (Regula	tion (EC) No. 1272/2008) Eye Irrit. 2	H319			
CAS No. EINECS no. Registration no. Concentration	ylbenzoyl)phosphine ox 75980-60-8 278-355-8 01-2119972295-29 >= 1 tion (EC) No. 1272/2008) Repr. 2	ide < H361f	3	%	
Hydroxylpropyl metha CAS No. EINECS no. Registration no. Concentration Classification (Regula	crylate 27813-02-1 248-666-3 01-2119490226-37 >= 1 tion (EC) No. 1272/2008) Eye Irrit. 2 Skin Sens. 1	< H319 H317	10	%	
ATE oral		2.000		mg/kg	
Acrylic Resin Concentration Classification (Regula	>= 1 tion (EC) No. 1272/2008) Skin Irrit. 2 Eye Irrit. 2	< H315 H319	3,6	%	

# **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

Ensure supply of fresh air. Remove affected person from danger area. Seek medical advice immediately.

### After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

#### 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

Refer to protective measures listed in Sections 7 and 8.

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# **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

npricityi(z,+,0-trinictityibcitzoyi	/priosprinte oxide	
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	0,233	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	0,145	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	0,0833	mg/kg/d

Frade name: FotoDent guide		
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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
Bisphenol A, ethoxylated, o		
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	3,52	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	2	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	0,87	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	1	mg/kg
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	0,5	mg/kg
2-hydroxyethyl methacryla	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	

# Safety data sheet in accordance with regulation (EC) No 1907/2006



Version: 1 / GB Replaces Version: - / GB Systemic effects 1,39 Derived No Effect Level (DNEL) Consumer Long term inhalative Systemic effects 1,45	Date revised: 26.04.202 Print date: 26.04.202 mg/kg/d
Systemic effects 1,39 Derived No Effect Level (DNEL) Consumer Long term inhalative Systemic effects	
1,39 Derived No Effect Level (DNEL) Consumer Long term inhalative Systemic effects	mg/kg/d
Derived No Effect Level (DNEL) Consumer Long term inhalative Systemic effects	mg/kg/d
Consumer Long term inhalative Systemic effects	
Long term inhalative Systemic effects	
inhalative Systemic effects	
Systemic effects	
•	
1,45	
	mg/m³
Derived No Effect Level (DNEL)	
Consumer	
Long term	
dermal	
Systemic effects	
0,83	mg/kg/d
Hydroxylpropyl methacrylate	
	ma/m3
14,7	mg/m³
Hydroxylpropyl methacrylate	
	mg/kg/d
4,2	ing/kg/u
Derived No Effect Level (DNEL)	
Consumer	
dermal	
2,5	mg/kg
Derived No Effect Level (DNEL)	
Consumer	
inhalative	
8,8	mg/m³
Derived No Effect Level (DNEL)	
Consumer	
oral	
2,5	mg/kg
o-3.14-dioxa-5.12-diazahexadecane-1	.16-divlbismethacrylate
Derived No Effect Level (DNEL)	· · · · · · · · · · · · · · · · · · ·
Worker	
Long term	
inhalative	
Systemic effects	
3,3	mg/m³
Derived No Effect Level (DNEL)	
Worker	
	Consumer Long term dermal Systemic effects 0,83 Hydroxylpropyl methacrylate Derived No Effect Level (DNEL) Worker inhalative 14,7 Hydroxylpropyl methacrylate Derived No Effect Level (DNEL) Worker dermal 2,5 Derived No Effect Level (DNEL) Consumer inhalative 8,8 Derived No Effect Level (DNEL) Consumer inhalative 8,8 Derived No Effect Level (DNEL) Consumer oral 2,5 Derived No Effect Level (DNEL) Consumer oral 2,5 Derived No Effect Level (DNEL) Consumer oral 3,3 Derived No Effect Level (DNEL)

rade name: FotoDent guide		
Substance number: 9370	Version: 1/GB	Date revised: 26.04.20
	Replaces Version: - / GB	Print date: 26.04.20
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1,3	mg/kg
Type of volue	Derived No Effect Level (DNEL)	
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	
	oral	
Route of exposure 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		
Concentration	Systemic effects 0,7	mg/kg
Predicted No Effect Conc	entration (PNFC)	
Predicted No Effect Conce Diphenyl(2,4,6-trimethylber	nzoyl)phosphine oxide	
<b>Diphenyl(2,4,6-trimethylber</b> Type of value	nzoyl)phosphine oxide PNEC	
<b>Diphenyl(2,4,6-trimethylber</b> Type of value Type	nzoyl)phosphine oxide PNEC Saltwater	
<b>Diphenyl(2,4,6-trimethylber</b> Type of value	nzoyl)phosphine oxide PNEC	mg/l
<b>Diphenyl(2,4,6-trimethylber</b> Type of value Type Concentration	nzoyl)phosphine oxide PNEC Saltwater 0,00014	mg/l
<b>Diphenyl(2,4,6-trimethylber</b> Type of value Type Concentration Type of value	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC	mg/l
<b>Diphenyl(2,4,6-trimethylber</b> Type of value Type Concentration	nzoyl)phosphine oxide PNEC Saltwater 0,00014	mg/l mg/kg
<b>Diphenyl(2,4,6-trimethylber</b> Type of value Type Concentration Type of value Type Concentration	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115	
<b>Diphenyl(2,4,6-trimethylber</b> Type of value Type Concentration Type of value Type Concentration Type of value	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC	
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment	mg/kg
<b>Diphenyl(2,4,6-trimethylber</b> Type of value Type Concentration Type of value Type Concentration Type of value	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC	
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment	mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115	mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC	mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222	mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration <b>2-hydroxyethyl methacryla</b>	nzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222	mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration <b>2-hydroxyethyl methacrylar</b> Type of value	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC	mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration <b>2-hydroxyethyl methacrylar</b> Type of value Type	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC Freshwater	mg/kg mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration <b>2-hydroxyethyl methacrylar</b> Type of value	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC	mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration <b>2-hydroxyethyl methacrylar</b> Type of value Type	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC Freshwater	mg/kg mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration <b>2-hydroxyethyl methacrylar</b> Type of value Type Concentration	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC Freshwater 0,0222	mg/kg mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration <b>2-hydroxyethyl methacrylar</b> Type of value Type Concentration	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC Freshwater 0,482 PNEC	mg/kg mg/kg mg/kg
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration 2-hydroxyethyl methacrylat Type of value Type Concentration Type of value Type Concentration	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC Freshwater 0,482 PNEC Soil 0,476	mg/kg mg/kg mg/l
Diphenyl(2,4,6-trimethylber Type of value Type ConcentrationType of value TypeType of value TypeType of value TypeType of value TypeType of value TypeType of value TypeType of value Type	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC Freshwater 0,482 PNEC Soil 0,476 PNEC	mg/kg mg/kg mg/l
Diphenyl(2,4,6-trimethylber Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration Type of value Type Concentration 2-hydroxyethyl methacrylat Type of value Type Concentration Type of value Type Concentration	hzoyl)phosphine oxide PNEC Saltwater 0,00014 PNEC Freshwater sediment 0,115 PNEC Marine sediment 0,0115 PNEC Soil 0,0222 te PNEC Freshwater 0,482 PNEC Soil 0,476	mg/kg mg/kg mg/l

Trade name: FotoDent guide		
Substance number: 9370	Version: 1/GB	Date revised: 26.04.202
	Replaces Version: - / GB	Print date: 26.04.202
Type of value	PNEC	
Туре	Freshwater sediment	
Concentration	3,79	mg/kg
Turner ( and a		
Type of value	PNEC	
Туре	Saltwater	
Concentration	0,482	mg/l
Type of value	PNEC	
Туре	Marine sediment	
Concentration	3,79	mg/kg
Concentration	3,79	ilig/kg
Type of value	PNEC	
Туре	Man via the environment	
Concentration	0,83	mg/kg/d
Hydroxylpropyl methacryla		
Reference substance	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
	Hydroxylpropyl methacrylate	
Type of value	PNEC	
Туре	Soil	
Concentration	0,727	mg/kg
	l budrow do roow duro oth o on doto	
	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
Turner of such as		
Type of value	PNEC	
Туре	Marine sediment	
Concentration	6,28	mg/kg
7 7 0/7 0 0) trim other 1 4 4 2 d	iovo 2.44 diovo E 42 diovokovodoceno 4	1.4C divide is moth a smallete
7,7,9(7,9,9)-trimethyi-4,13-d Type of value	ioxo-3,14-dioxa-5,12-diazahexadecane-1 PNEC	, io-uiyibisinethaciyiate
Type	Freshwater	
Concentration	0,01	mg/l
		č
Type of value	PNEC	
Туре	Freshwater sediment	
Concentration	4,56	mg/kg
	PNEC	
Type of value		
Туре	Saltwater	

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### Safety data sheet in accordance with regulation (EC) No 1907/2006



Trade name: FotoDent guide		
Substance number: 9370	Version: 1/GB	Date revised: 26.04.2023
	Replaces Version: - / GB	Print date: 26.04.2023
Concentration	0,001	mg/l
Type of value	PNEC	
Туре	Marine sediment	
Concentration	0,46	mg/kg
Type of value	PNEC	
Туре	Soil	
Concentration	0,91	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	3,61	mg/l
Type of value	PNEC	
Туре	Water (intermittent release)	
Concentration	0,1	mg/l

### 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.

Appropriate Material nitrile

### 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

Physical state	liquid
Colour	Various, depending on coloration
Odour	characteristic
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined

rade name: FotoDent guide				
Substance number: 9370	Version: 1	/ GB		Date revised: 26.04.2023
	Replaces \	/ersion: -/GB		Print date: 26.04.202
Delling a sint on initial balling				
Boiling point or initial boiling Value	> 100	g range	°C	
Flammability	2 100		U	
not determined				
Upper and lower explosive li	mits			
Remarks	not determined			
Flash point	not dotominod			
Value	91		°C	
Method	closed cup		C	
Ignition temperature				
Remarks	not determined			
	not determined			
Decomposition temperature Remarks	not determined			
	not determined			
pH value				
Remarks	not determined			
Viscosity				
Remarks	not determined			
Solubility(ies)				
Remarks	not determined			
Partition coefficient n-octane	ol/water (log value	e)		
Remarks	not determined			
Vapour pressure				
Remarks	not determined			
Density and/or relative densitive densitive densitive densitive densitive densitive densitive densitive densiti	ity			
Value	1,1		g/cm³	
Temperature	20	°C		
Relative vapour density				
Remarks	not determined			
9.2. Other information				
Odour threshold				
Remarks	not determined			
Evaporation rate (ether = 1) : Remarks				
	not determined			
Solubility in water				
Remarks	virtually insoluble			
Explosive properties				
evaluation	not determined			
Oxidising properties				
Remarks	not determined			
Other information				

# **SECTION 10: Stability and reactivity**

Trade name: FotoDent guide			
Cubatan an annah am 0070		Varian 4/0D	
Substance number: 9370		Version: 1/GB	Date revised: 26.04.20
		Replaces Version: - / GB	Print date: 26.04.20
10.1. Reactivity			
	when stored	d and handled according to pre-	scribed instructions.
10.2. Chemical stability No hazardous reactions k	known.		
10.3. Possibility of hazarde No hazardous reactions k		tions	
10.4. Conditions to avoid Protect from heat and dire	ect sunlight	t	
10.5. Incompatible materia None known	ls		
10.6. Hazardous decompo	sition pro	oducts	
Irritant gases/vapours			
SEC	TION 1	1: Toxicological info	rmation
11.1 Information on hazard	d classes	s as defined in Regulatio	on (EC) No 1272/2008
Acute oral toxicity		•	
ATE	>	10.000	mg/kg
Method	calcula	ated value (Regulation (EC) No	
Method Acute oral toxicity (Com			
Acute oral toxicity (Com	ponents)		
	ponents)		
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50	ponents) enzoyl)pho rat >	5000	
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method	ponents) enzoyl)pho rat > OECD	5000 501	o. 1272/2008)
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated,	ponents) enzoyl)pho rat > OECD , dimethac	5000 501	o. 1272/2008)
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species	ponents) enzoyl)pho rat > OECD , dimethac rat	5000 401 rylate	n 1272/2008) mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50	ponents) enzoyl)pho rat > OECD , dimethac rat >	5000 501	o. 1272/2008)
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl	ponents) enzoyl)pho rat > OECD , dimethac rat > ate	5000 401 rylate	n 1272/2008) mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat	5000 401 rylate 2000	ng/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat >	5000 401 rylate	n 1272/2008) mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry	ponents) enzoyl)pho rat > OECD , dimethac rat > ate rat >	5000 401 rylate 2000	ng/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species	ponents) enzoyl)pho rat OECD , dimethac rat ate rat rat rat	<b>5000</b> 5000 401 <b>rylate</b> 2000 5564	ng/kg mg/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50	ponents) enzoyl)pho rat OECD , dimethac rat ate rat rat > late rat >	<b>5000</b> <b>401</b> <b>rylate</b> 2000 5564 2000	ng/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat > CECD	2000 2401 2000 25564 2000 2401	mg/kg mg/kg mg/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat > OECD -dioxo-3,14	<b>5000</b> <b>401</b> <b>rylate</b> 2000 5564 2000	mg/kg mg/kg mg/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species	ponents) enzoyl)pho rat > OECD , dimethac rat > date rat > late rat > late rat -dioxo-3,14 rat	5000   401   rylate   2000   5564   2000   4401   4-dioxa-5,12-diazahexadecan	ng/kg mg/kg mg/kg mg/kg e-1,16-diylbismethacrylate
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species LD50	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat >= OECD -dioxo-3,14 rat >	5000   401   rylate   2000   5564   2000   4401   4-dioxa-5,12-diazahexadecan   5000	mg/kg mg/kg mg/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbe Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species LD50 Method	ponents) enzoyl)pho rat > OECD , dimethac rat > date rat > late rat > late rat -dioxo-3,14 rat	5000   401   rylate   2000   5564   2000   4401   4-dioxa-5,12-diazahexadecan   5000	ng/kg mg/kg mg/kg mg/kg e-1,16-diylbismethacrylate
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species LD50 Method Acrylic Resin	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat > OECD -dioxo-3,14 rat > OECD	<b>osphine oxide</b> 5000   401 <b>rylate</b> 2000   5564   2000   4401   4-dioxa-5,12-diazahexadecan   5000   4401	ng/kg mg/kg mg/kg mg/kg e-1,16-diylbismethacrylate mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species LD50 Method Acrylic Resin LD50	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat > OECD -dioxo-3,14 rat > OECD	5000   401   rylate   2000   5564   2000   4401   4-dioxa-5,12-diazahexadecan   5000	ng/kg mg/kg mg/kg mg/kg e-1,16-diylbismethacrylate
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species LD50 Method Acrylic Resin LD50 Aliphatic urethane methac	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat > OECD -dioxo-3,14 rat > OECD -dioxo-3,14 rat > OECD	<b>osphine oxide</b> 5000   401 <b>rylate</b> 2000   5564   2000   4401   4-dioxa-5,12-diazahexadecan   5000   4401	ng/kg mg/kg mg/kg mg/kg e-1,16-diylbismethacrylate mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species LD50 Method Acrylic Resin LD50 Aliphatic urethane methac Species	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat > OECD -dioxo-3,14 rat > OECD -dioxo-3,14 rat > OECD	<b>osphine oxide</b> 5000   401 <b>rylate</b> 2000   5564   2000   4-dioxa-5,12-diazahexadecan   5000   4401   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000	ng/kg mg/kg mg/kg mg/kg e-1,16-diylbismethacrylate mg/kg mg/kg
Acute oral toxicity (Com Diphenyl(2,4,6-trimethylbo Species LD50 Method Bisphenol A, ethoxylated, Species LD50 2-hydroxyethyl methacryl Species LD50 Hydroxylpropyl methacry Species LD50 Method 7,7,9(7,9,9)-trimethyl-4,13- Species LD50 Method Acrylic Resin LD50 Aliphatic urethane methad	ponents) enzoyl)pho rat > OECD , dimethac rat > late rat > late rat > OECD -dioxo-3,14 rat > OECD -dioxo-3,14 rat > OECD	<b>osphine oxide</b> 5000   401 <b>rylate</b> 2000   5564   2000   4401   4-dioxa-5,12-diazahexadecan   5000   4401	ng/kg mg/kg mg/kg mg/kg e-1,16-diylbismethacrylate mg/kg

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rade name: FotoDent guide				
Substance number: 9370		Version: 1/GB		Date revised: 26.04.20
Substance number. 9570		Replaces Version: -		Print date: 26.04.20
				F fint date. 20.04.20
Diphenyl(2,4,6-trimethylk	enzovi)nhc	osphine oxide		
Species	rat			
LD50	>	2000	mg/kg	
Method	OECD			
Bisphenol A, ethoxylated				
Species	rat	Jiato		
LD50	>	2000	mg/kg	
Method	OECD			
2-hydroxyethyl methacry		-		
Species	rabbit			
LD50	rabbit	5000	mg/kg	
Remarks	Test or	onducted with a similar f		
Hydroxylpropyl methacry				
Species	rabbit	5000	no a llea	
LD50	>	5000	mg/kg	
7,7,9(7,9,9)-trimethyl-4,13		-dioxa-5,12-diazahexa	decane-1,16-diyl	oismethacrylate
Species	rat			
LD50	>	2000	mg/kg	
Method	OECD	402		
Acrylic Resin				
LD50	>	2000	mg/kg	
Aliphatic urethane metha	crylate		00	
Species	rabbit			
LD50	>	2000	mg/kg	
		2000	iiig/ikg	
Acute inhalational toxic	-			
Remarks	Based	on available data, the c	classification criteria	a are not met.
Acute inhalative toxicity	(Compon	ents)		
Acrylic Resin				
LC50		5	mg/l	
Duration of exposure	>	5 4 h	iiig/i	
Administration/Form	Dust/M			
		not		
Aliphatic urethane metha		and a second and a second s	less if a discussion in the	
Remarks		on available data, the c	classification criteria	a are not met.
Skin corrosion/irritation	l			
Remarks	Based	on available data, the c	classification criteria	a are not met.
Skin corrosion/irritation				
	(compon	entsj		
Acrylic Resin				
evaluation	irritant			
Aliphatic urethane metha	crylate			
Remarks	Based	on available data, the c	classification criteria	a are not met.
Serious eye damage/irri	tation			
evaluation	irritant			
Remarks		assification criteria are n	net	
			not.	
Serious eye damage/irri	tation (Co	mponents)		
2-hydroxyethyl methacry	late			
Species	rabbit			
evaluation		r irritant		
Hydroxylpropyl methacry				
Species	rabbit			
000000	iabbit			

Trade name: FotoDent guide		
Substance number: 9370	Version: 1/GB	Date revised: 26.04.202
	Replaces Version: - / GB	Print date: 26.04.202
Acrylic Resin		
evaluation	irritant	
Aliphatic urethane meth	•	
Species evaluation	rabbit irritant	
Sensitization	intant	
evaluation	May cause sensitization by skin contact.	
Remarks	The classification criteria are met.	
Sensitization (Compone	ents)	
· ·	benzoyl)phosphine oxide	
Route of exposure	dermal	
Species	mouse	
evaluation	May cause sensitization by skin contact.	
2-hydroxyethyl methacry Remarks	ylate Possible sensitization potential with human	beings.
Hydroxylpropyl methacr		0
Species	mouse	
evaluation	non-sensitizing	
Method Remarks	OECD 429	
	May cause sensitization by skin contact.	divide is weath a smulate
Route of exposure	3-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16- dermal	aryidismethacrylate
Species	mouse	
evaluation	sensitizing	
Aliphatic urethane meth Remarks	acrylate Based on available data, the classification c	riteria are not met
Subacute, subchronic,		nicha ale not met.
Remarks	not determined	
	not determined	
Mutagenicity Remarks	Based on available data, the classification c	ritoria are not mot
	-	mena are not met.
Mutagenicity (Compone	•	
Aliphatic urethane meth evaluation		ritorio oro pot mot
	Based on available data, the classification c	mena are not met.
Reproductive toxicity	Description of the last of the start of the	
Remarks	Based on available data, the classification c	riteria are not met.
Reproduction toxicity (	Components)	
Diphenyl(2,4,6-trimethyl evaluation	benzoyl)phosphine oxide Suspected of damaging fertility.	
Aliphatic urethane meth	acrylate	
Remarks	Based on available data, the classification c	riteria are not met.
Carcinogenicity		
Remarks	Based on available data, the classification c	riteria are not met.
Carcinogenicity (Comp	onents)	
Aliphatic urethane meth evaluation	acrylate Based on available data, the classification c	riteria are not met.
Specific Target Organ	Foxicity (STOT)	
Single exposure		
Remarks	Based on available data, the classification c	riteria are not met.

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Date revised: 26.04.2023 Print date: 26.04.2023

### 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				
	te)			
Fish toxicity (Component	-			
Diphenyl(2,4,6-trimethylbe				
Species	carp (Cyprinus c	arpio)		
LC50	1,4		mg/l	
Duration of exposure	96	h		
Method	OECD 203			
Bisphenol A, ethoxylated,	-			
Species	rainbow trout (O	ncorhynchus my	kiss)	
LC50	> 100		mg/l	
Remarks	Test conducted	with a similar for	nulation.	
2-hydroxyethyl methacryla	ate			
Species	Oryzias latipes			
LC50	> 100		mg/l	
Duration of exposure	96	h		
Method	OECD 203			
Hydroxylpropyl methacryl	ate			
Species	golden orfe (Leu	ciscus idus)		
LC50	493		mg/l	
Duration of exposure	48	h		
Method	DIN 38412 / Par	t 15		
7,7,9(7,9,9)-trimethyl-4,13-	dioxo-3,14-dioxa-5,	12-diazahexade	cane-1,16-diylbism	ethacrylate
Species	zebra fish (Brach	nydanio rerio)		
LC50	10,1		mg/l	
Duration of exposure	96	h		
Method	OECD 203			
Daphnia toxicity (Compo	nents)			

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Diphenyl(2,4,6-trimethylbo	anzovi)nhosnhine o	vido		
Species	Daphnia magna	AIGE		
EC50	່ 3,53ັ		mg/l	
Duration of exposure	48	h		
Method	OECD 202			
Bisphenol A, ethoxylated,				
Species EC50	Daphnia magna		~~~~/l	
Duration of exposure	> 100 48	h	mg/l	
Remarks	-	with a similar form	ulation.	
2-hydroxyethyl methacryl				
Species	Daphnia magna			
EC50	380		mg/l	
Duration of exposure	48	h		
Method	OECD 202			
2-hydroxyethyl methacryl				
Species NOEC	Daphnia magna 24,1		ma/l	
Duration of exposure	24,1	d	mg/l	
Method	OECD 211	u		
Hydroxylpropyl methacry	late			
Species	Daphnia magna			
EC50	> 143		mg/l	
Duration of exposure	48	h		
Method	OECD 202			
Hydroxylpropyl methacry 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-diazahexadec	ane-1,16-diyl	bismethacrylate
Species	Daphnia magna			
EC50	1,2	<b>L</b>	mg/l	
Duration of exposure Method	48 OECD 202	h		
Algae toxicity (Compone				
• • • •				
Diphenyl(2,4,6-trimethylbo	Pseudokirchnerie			
Species EC50	> 2,01	ana subcapitata	mg/l	
Duration of exposure	72	h	iiig/i	
Method	OECD 201			
Bisphenol A, ethoxylated,	dimethacrylate			
Species	Pseudokirchnerie	ella subcapitata		
EC50	> 100	L.	mg/l	
Duration of exposure Method	72 OECD 201	h		
Remarks		with a similar form	ulation	
2-hydroxyethyl methacryl				
Species	Pseudokirchnerie	ella subcapitata		
EC50	345		mg/l	
Duration of exposure	72	h	-	

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Species	Pseudokirchn	eriella subo	apitata		
EC50	> 97,2		-	mg/l	
Duration of exposure Method	72 OECD 201	h			
7,7,9(7,9,9)-trimethyl-4,13		-5.12-diaza	hexadec	ane-1.16-div	Ibismethacrylate
Species	Scenedesmus			,,	,, <b>,</b>
EC50	> 0,68			mg/l	
Duration of exposure Method	72 OECD 201	h			
Bacteria toxicity (Comp					
Diphenyl(2,4,6-trimethylb	-	e oxide			
Species	activated slud				
EC50	> 1000	-		mg/l	
Duration of exposure Method	3 OECD 209	h			
Bisphenol A, ethoxylated					
Species	activated slud	lge			
NOEC	14,3			mg/l	
Duration of exposure Remarks	28 Test conducte	d dwith a sir	milar form	ulation	
2-hydroxyethyl methacry					
Species	Pseudomona	s fluorescer	าร		
EC0	> 3000			mg/l	
Duration of exposure	16	h			U. '
7,7,9(7,9,9)-trimethyl-4,13 Species	activated slud		anexadec	ane-1,16-diy	Ibismethacrylate
NOEC	>= 36,1	igo		mg/l	
Duration of exposure	14	d		-	
12.2. Persistence and deg	radability				
General information					
not determined					
Biodegradability (Comp	onents)				
Diphenyl(2,4,6-trimethylb	enzoyl)phosphine	e oxide			
Value	< 0	to	10	%	
Duration of test evaluation	28 not readily de	d gradable			
Bisphenol A, ethoxylated	•	gradabie			
Value	24			%	
Duration of test	28	d			
evaluation Remarks	readily degrad		milar form	ulation	
2-hydroxyethyl methacry					
Value	92	to	100	%	
Duration of test	14 Deadily biada	d gradabla (c			
evaluation	Readily biode	-	-		•
<b>7,7,9(7,9,9)-trimethyl-4,13</b> Value	-dioxo-3,14-dioxa 22	-5, i z-ulaza		ane-1,16-diy %	inisillethaciylate
Duration of test	28	d			
evaluation	not readily de	gradable			

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Value Duration of test	81 28	Days	%	
12.3. Bioaccumulative poten	tial			
General information				
not determined				
Partition coefficient n-octa		•		
Remarks	not determine		(anto)	
Octanol/water partition co		<i>·</i> · ·	ients)	
Diphenyl(2,4,6-trimethylben log Pow	zoyi)pnospnine o 3,1	xide		
Temperature	23	°C		
Bisphenol A, ethoxylated, d log Pow	imethacrylate 4,39			
2-hydroxyethyl methacrylate				
log Pow Temperature	0,42 25	°C		
Method	OECD 107			
Hydroxylpropyl methacrylat				
log Pow Temperature	0,97 20	°C		
7,7,9(7,9,9)-trimethyl-4,13-di	oxo-3,14-dioxa-5,	12-diazahexa	decane-1,16-d	iylbismethacrylate
log Pow	3,39	° <b>C</b>		
Temperature Bioconcentration factor (B	20 20	°C		
Diphenyl(2,4,6-trimethylben		-		
BCF	47		55	
Concentration	0,1 mg/l			
Duration of exposure Medium	8 Weel Freshwater	(S		
Species	carp (Cyprinu	is carpio)		
12.4. Mobility in soil				
General information				
not determined				
12.5. Results of PBT and vPv	vB assessmen	t		
General information				
Results of PBT and vPvB a	assessment			
The product contains no PB The product contains no vP	T substances			
12.6 Endocrine disrupting p	roperties			
Endocrine disrupting prop The product does not contai target organisms.	erties with resp			perties with respect to non-
12.7. Other adverse effects				
General information				
not determined				

### Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: FotoDent guide

Substance number: 9370

Version: 1 / GB Replaces Version: - / GB

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### **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	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		-	-
14.5. Environmental hazards		no	
	-		-

# **SECTION 15: Regulatory information**

### 15.2. Chemical safety assessment

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

## **SECTION 16: Other information**

#### Hazard statements listed in Chapter 3

H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H361f	Suspected of damaging fertility.	

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H411 H413	Toxic to aquatic life with long lasting effects. May cause long lasting harmful effects to ac	
CLP categories listed in	Chapter 3	
Aquatic Chronic 2 Aquatic Chronic 4 Eye Irrit. 2 Repr. 2 Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1B	Hazardous to the aquatic environment, chro Hazardous to the aquatic environment, chro Eye irritation, Category 2 Reproductive toxicity, Category 2 Skin irritation, Category 2 Skin sensitization, Category 1 Skin sensitization, Category 1B	
Supplemental information	on	
This information is based	ared with the previous version of the safety data s on our present state of knowledge. However, it s c product properties and shall not establish a lega	should not constitute a