

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name: FotoDent gingiva

Manufacturer: Dreve Dentamid GmbH

SDS Expiry: 28 August 2028

Supplier Details: Henry Schein New Zealand  
243-249 Bush Road, Rosedale, Auckland, 0632  
PO Box 101 140, North Shore, Auckland 0745  
Ph. 0800 808 855  
[www.henryschein.co.nz](http://www.henryschein.co.nz)

Emergency Contacts: Poisons/Hazardous Chemical Info Centre –  
0800POISON/0800764766 (24 Hours)  
Phone 111 for Fire, Ambulance or Police

HSNO Class/Category: 6 / 9

HSNO Group Standard: Dental Products Subsidiary Hazard Group Standard 2020  
HSR002558

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared – July 2023

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

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

### 1.1. Product identifier

FotoDent gingiva

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

#### Use of the substance/preparation

Light-curing material for the manufacturing of dental gingival masks

### 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

Department Research &amp; Development: Fax: +49 2303 8807-562

E-mail address of  
person responsible  
for this SDS

sicherheitsdatenblatt@dreve.com

### 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. 1A H317

Aquatic Chronic 2 H411

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



#### Signal word

Warning



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

**Hazard statements**

H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264.1 Wash hands thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501.1 Dispose of contents/container to industrial incineration plant.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains Hydroxylpropyl methacrylate; 2-Hydroxyethyl acrylate; Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide; Diethylene glycol dimethacrylate

**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****Isodecylmethacrylate**

CAS No. 29964-84-9  
 EINECS no. 249-978-2  
 Registration no. 01-2119894925-17  
 Concentration >= 2,5 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Aquatic Chronic 1 H410  
 Skin Irrit. 2 H315  
 Eye Irrit. 2 H319  
 STOT SE 3 H335

**Hydroxylpropyl methacrylate**

CAS No. 27813-02-1  
 EINECS no. 248-666-3  
 Registration no. 01-2119490226-37  
 Concentration >= 1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Eye Irrit. 2 H319  
 Skin Sens. 1 H317

ATE oral 2.000 mg/kg

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

CAS No. 162881-26-7  
 EINECS no. 423-340-5



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

Registration no.	01-2119489401-38		
Concentration	>= 1	< 10	%
Classification (Regulation (EC) No. 1272/2008)			
	Skin Sens. 1A	H317	
	Aquatic Chronic 4	H413	

**2-Hydroxyethyl acrylate**

CAS No.	818-61-1		
EINECS no.	212-454-9		
Registration no.	01-2119459345-34		
Concentration	>= 0,2	< 1	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 3	H311	
	Skin Corr. 1B	H314	
	Skin Sens. 1	H317	
	Aquatic Acute 1	H400	

Concentration limits (Regulation (EC) No. 1272/2008)

	Skin Sens. 1	H317	>= 0,2 %
ATE	dermal	1.000	mg/kg

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note D

**Diethylene glycol dimethacrylate**

CAS No.	2358-84-1		
EINECS no.	219-099-9		
Registration no.	01-2120892085-48		
Concentration	>= 0,1	< 1	%
Classification (Regulation (EC) No. 1272/2008)			
	Skin Sens. 1B	H317	

**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**

First aider: Pay attention to self-protection!

Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

## 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, CO<sub>2</sub>, 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.



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

## 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)

##### Hydroxylpropyl methacrylate

Reference substance	Hydroxylpropyl methacrylate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Concentration	14,7	mg/m <sup>3</sup>
Type of value	Hydroxylpropyl methacrylate	
Reference group	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
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
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

Concentration	8,8	mg/m <sup>3</sup>
---------------	-----	-------------------

Type of value	Derived No Effect Level (DNEL)	
---------------	--------------------------------	--

Reference group	Consumer	
-----------------	----------	--

Route of exposure	oral	
-------------------	------	--

Concentration	2,5	mg/kg
---------------	-----	-------

**2-Hydroxyethyl acrylate**

Type of value	Derived No Effect Level (DNEL)	
---------------	--------------------------------	--

Reference group	Worker	
-----------------	--------	--

Duration of exposure	Long term	
----------------------	-----------	--

Route of exposure	inhalative	
-------------------	------------	--

Mode of action	Local effects	
----------------	---------------	--

Concentration	2,4	mg/m <sup>3</sup>
---------------	-----	-------------------

Type of value	Derived No Effect Level (DNEL)	
---------------	--------------------------------	--

Reference group	General Population	
-----------------	--------------------	--

Duration of exposure	Long term	
----------------------	-----------	--

Route of exposure	inhalative	
-------------------	------------	--

Mode of action	Local effects	
----------------	---------------	--

Concentration	1,2	mg/m <sup>3</sup>
---------------	-----	-------------------

**Predicted No Effect Concentration (PNEC)****Hydroxypropyl methacrylate**

Reference substance	Hydroxypropyl methacrylate	
---------------------	----------------------------	--

Type of value	PNEC	
---------------	------	--

Type	Freshwater	
------	------------	--

Concentration	0,904	mg/l
---------------	-------	------

Type of value	Hydroxypropyl methacrylate PNEC	
---------------	------------------------------------	--

Type	Freshwater sediment	
------	---------------------	--

Concentration	6,28	mg/kg
---------------	------	-------

Type of value	Hydroxypropyl methacrylate PNEC	
---------------	------------------------------------	--

Type	Soil	
------	------	--

Concentration	0,727	mg/kg
---------------	-------	-------

Type of value	Hydroxypropyl methacrylate PNEC	
---------------	------------------------------------	--

Type	Sewage treatment plant (STP)	
------	------------------------------	--

Concentration	10	mg/l
---------------	----	------

Type of value	PNEC	
---------------	------	--

Type	Marine	
------	--------	--

Concentration	0,904	mg/l
---------------	-------	------

Type of value	PNEC	
---------------	------	--

Type	Marine sediment	
------	-----------------	--

Concentration	6,28	mg/kg
---------------	------	-------

**2-Hydroxyethyl acrylate**

Type of value	PNEC	
---------------	------	--

Type	Freshwater	
------	------------	--



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

Concentration	0,017	mg/l
Type of value	PNEC	
Type	Marine	
Concentration	0,002	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,0361	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,064	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,006	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,003	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	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                      Butyl rubber

### 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



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

<b>Physical state</b>	liquid		
<b>Colour</b>	pink		
<b>Odour</b>	characteristic		
<b>Melting point</b>			
Remarks	not determined		
<b>Freezing point</b>			
Remarks	not determined		
<b>Boiling point or initial boiling point and boiling range</b>			
Value	263		°C
<b>Flammability</b>			
evaluation	not determined		
<b>Upper and lower explosive limits</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	70		°C
Method	closed cup		
<b>Ignition temperature</b>			
Remarks	not determined		
<b>Decomposition temperature</b>			
Remarks	not determined		
<b>pH value</b>			
Remarks	not determined		
<b>Viscosity</b>			
Remarks	not determined		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient n-octanol/water (log value)</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Density and/or relative density</b>			
Value	1,04		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Relative vapour density</b>			
Remarks	not determined		
<b>9.2. Other information</b>			
<b>Odour threshold</b>			
Remarks	not determined		
<b>Evaporation rate (ether = 1) :</b>			
Remarks	not determined		
<b>Solubility in water</b>			
Remarks	virtually insoluble		
<b>Explosive properties</b>			
evaluation	not determined		
<b>Oxidising properties</b>			



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

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
Method	calculated value (Regulation (EC) No. 1272/2008)		

**Acute oral toxicity (Components)****Isodecylmethacrylate**

Species	rat (male)		
LD50	>	5000	mg/kg

**Hydroxypropyl methacrylate**

Species	rat		
LD50	>=	2000	mg/kg
Method	OECD 401		

**2-Hydroxyethyl acrylate**

Species	rat		
LD50		540	mg/kg

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 401		

**Diethylene glycol dimethacrylate**

Species	rat		
LD50		3790	mg/kg

**Acute dermal toxicity**

ATE	>	10.000	mg/kg
-----	---	--------	-------



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

Method calculated value (Regulation (EC) No. 1272/2008)

**Acute dermal toxicity (Components)****Isodecylmethacrylate**

Species	rabbit		
LD50	>	3000	mg/kg

**Hydroxypropyl methacrylate**

Species	rabbit		
LD50	>	5000	mg/kg

**2-Hydroxyethyl acrylate**

Species	rat		
LD50	>	1000	mg/kg
Method	OECD 402		

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

**Acute inhalational toxicity**

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

**Acute inhalative toxicity (Components)****Isodecylmethacrylate**

Species	rat		
LCLo	>	0,9	mg/l
Duration of exposure	1	h	

**Skin corrosion/irritation**

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

**Skin corrosion/irritation (Components)****Isodecylmethacrylate**

Species	rabbit		
evaluation	slightly irritant		

**2-Hydroxyethyl acrylate**

Species	rabbit		
evaluation	corrosive		

**Serious eye damage/irritation**

evaluation	irritant
Remarks	The classification criteria are met.

**Serious eye damage/irritation (Components)****Hydroxypropyl methacrylate**

Species	rabbit		
evaluation	slightly irritant		

**2-Hydroxyethyl acrylate**

Species	rabbit		
evaluation	corrosive		

**Sensitization**

evaluation	May cause sensitization by skin contact.
Remarks	The classification criteria are met.

**Sensitization (Components)****Hydroxypropyl methacrylate**

Species	mouse		
evaluation	non-sensitizing		



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

Method OECD 429  
Remarks May cause sensitization by skin contact.

**2-Hydroxyethyl acrylate**

Route of exposure dermal  
Species mouse  
evaluation sensitizing

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Route of exposure dermal  
Species guinea pig  
evaluation sensitizing  
Method OECD 406

**Diethylene glycol dimethacrylate**

Route of exposure dermal  
Species mouse  
evaluation sensitizing  
Method OECD 429

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

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

**Reproductive toxicity**

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

**Carcinogenicity**

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

**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.

**Aspiration hazard**

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)**



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

**Isodecylmethacrylate**

Species	golden orfe (Leuciscus idus)	
LC50	470	mg/l
Duration of exposure	48	h
Method	DIN 38412 / Part 15	

**Hydroxypropyl methacrylate**

Species	golden orfe (Leuciscus idus)	
LC50	493	mg/l
Duration of exposure	48	h
Method	DIN 38412 / Part 15	

**2-Hydroxyethyl acrylate**

Species	Fathead minnow (Pimephales promelas)	
LC50	4,8	mg/l
Duration of exposure	96	h

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	zebra fish (Brachydanio rerio)	
LC50	> 90	µg/l
Duration of exposure	96	h
Method	OECD 203	

**Diethylene glycol dimethacrylate**

LC50	48,787	mg/l
Duration of exposure	96	h
Method	QSAR	
Source	ECHA	

**Diethylene glycol dimethacrylate**

NOEC	4,353	mg/l
Duration of exposure	60	d
Method	QSAR	
Source	ECHA	

**Daphnia toxicity (Components)****Isodecylmethacrylate**

Species	Daphnia magna	
NOEC	54,2	µg/l
Duration of exposure	21	d
Method	OECD 211	

**Hydroxypropyl methacrylate**

Species	Daphnia magna	
EC50	> 143	mg/l
Duration of exposure	48	h
Method	OECD 202	

**Hydroxypropyl methacrylate**

Species	Daphnia magna	
NOEC	45,2	mg/l
Duration of exposure	21	d
Method	OECD 211	

**2-Hydroxyethyl acrylate**

Species	Daphnia magna	
EC50	9,3	mg/l
Duration of exposure	48	h
Method	OECD 202	

**2-Hydroxyethyl acrylate**

Species	Daphnia magna	
NOEC	0,86	mg/l



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

Duration of exposure	21	d	
Method	OECD 211		

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	Daphnia magna		
EC50	> 1175		µg/l
Duration of exposure	48	h	
Method	OECD 202		

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	Daphnia magna		
NOEC	>= 8,1		µg/l
Duration of exposure	21	d	
Method	OECD 211		

**Diethylene glycol dimethacrylate**

LC50	38,331		mg/l
Duration of exposure	48	h	
Method	QSAR		
Source	ECHA		

**Diethylene glycol dimethacrylate**

NOEC	3,748		mg/l
Duration of exposure	21	d	
Method	QSAR		
Source	ECHA		

**Algae toxicity (Components)****Isodecylmethacrylate**

Species	Scenedesmus subspicatus		
NOEC	12,0		µg/l
Duration of exposure	72	h	
Method	OECD 201		

**Hydroxypropyl methacrylate**

Species	Pseudokirchneriella subcapitata		
EC50	> 97,2		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**2-Hydroxyethyl acrylate**

Species	Pseudokirchneriella subcapitata		
ErC50	6		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	Scenedesmus subspicatus		
EC50	> 260		µg/l
Duration of exposure	72	h	
Method	OECD 201		

**Diethylene glycol dimethacrylate**

EC50	0,416		mg/l
Duration of exposure	96	h	
Source	ECHA		

**Bacteria toxicity (Components)****Isodecylmethacrylate**

EC10	500		mg/l
Method	OECD 209		

**2-Hydroxyethyl acrylate**

Species	activated sludge		
---------	------------------	--	--



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

EC10	>	100		mg/l
Duration of exposure		72	h	

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	activated sludge			
EC50	>	100		mg/l
Duration of exposure		3	h	
Method	OECD 209			

**Diethylene glycol dimethacrylate**

IC50		1280		mg/l
Duration of exposure		48	h	
Source	ECHA			

**12.2. Persistence and degradability****General information**

not determined

**Biodegradability (Components)****Isodecylmethacrylate**

Value		62		%
Duration of test		28	d	
evaluation	not readily degradable			

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Value		1		%
Duration of test		28	d	
evaluation	not degradable			

**Ready degradability (Components)****Hydroxypropyl methacrylate**

Value		81		%
Duration of test		28	Days	

**2-Hydroxyethyl acrylate**

Value		80		%
Duration of test		28	d	

**Diethylene glycol dimethacrylate**

Source ECHA

**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Octanol/water partition coefficient (log Pow) (Components)****Hydroxypropyl methacrylate**

log Pow		0,97		
Temperature		20	°C	

**2-Hydroxyethyl acrylate**

log Pow		-0,17		
Temperature		25	°C	

**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

log Pow 5,8

**Diethylene glycol dimethacrylate**

log Pow		1,93		
Temperature		25	°C	

Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

Source

ECHA

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### General information

not determined

### Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 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



Trade name: FotoDent gingiva




Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isodecylmethacrylate, 2-Hydroxyethyl acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isodecylmethacrylate, 2-Hydroxyethyl acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isodecylmethacrylate, 2-Hydroxyethyl acrylate)
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Remarks	The product is not subject to any other provisions of ADR provided packaging of not more than 5 l / 5 kg	The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 l / 5 kg.	The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197)
Limited Quantity	5 l	5 l	
Transport category	3		
14.5. Environmental hazards	-		
Tunnel restriction code	-		

## 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

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Eye Irrit. 2	H319	Calculation method
Skin Sens. 1A	H317	Calculation method
Aquatic Chronic 2	H411	Calculation method

### Hazard statements listed in Chapter 2/3

H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.



Trade name: FotoDent gingiva

Substance number: 9390

Version: 1 / GB

Date revised: 28.08.2023

Replaces Version: - / GB

Print date: 28.08.2023

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**CLP categories listed in Chapter 2/3**

Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Eye Irrit. 2	Eye irritation, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A
Skin Sens. 1B	Skin sensitization, Category 1B
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

**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.