

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

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

1.1. Product identifier

FotoDent IBT

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

Use of the substance/preparation

Material for the manufacturing of dental indirect bonding trays

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

DE-59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided by / telephone Department Research & 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)

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1A H317

Carc. 2 H351

Repr. 1B H360Fd.

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



Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Signal word

Danger

Hazard statements ***

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H351 Suspected of causing cancer.
 H360Fd. May damage fertility. Suspected of damaging the unborn child.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements ***

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 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.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 P501.1 Dispose of contents/container to industrial incineration plant.

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

contains (5-ethyl-1,3-dioxan-5-yl)methyl acrylate; 2-phenoxyethyl methacrylate; 2-Hydroxyethyl acrylate; aliphatic urethane triacrylate; Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide; 1,1,1- Trimethylol propane triacrylate

Supplemental information**Further supplemental information**

Restricted to professional users

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 *******2-phenoxyethyl methacrylate**

CAS No.	10595-06-9				
EINECS no.	234-201-1				
Registration no.	01-2120752383-55				
Concentration	>= 25	<	50	%	
Classification (Regulation (EC) No. 1272/2008)					
	Skin Sens. 1A		H317		
	Aquatic Chronic 2		H411		
	Repr. 2		H361d		

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

CAS No. 66492-51-1
 EINECS no. 266-380-7



Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Registration no. 01-2119976303-36
 Concentration ≥ 10 < 25 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Skin Sens. 1B H317
 Aquatic Chronic 2 H411
 Eye Irrit. 2 H319

Isodecylmethacrylate

CAS No. 29964-84-9
 EINECS no. 249-978-2
 Registration no. 01-2119894925-17
 Concentration $\geq 2,5$ < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 Aquatic Chronic 1 H410

aliphatic urethane triacrylate

Concentration ≥ 1 < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Sens. 1A H317
 Aquatic Chronic 4 H413

1,1,1- Trimethylol propane triacrylate

CAS No. 15625-89-5
 EINECS no. 239-701-3
 Registration no. 01-2119489896-11
 Concentration ≥ 1 < 2,5 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Skin Sens. 1 H317
 Carc. 2 H351
 Aquatic Acute 1 H400
 Aquatic Chronic 1 H410

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

Aquatic Acute 1 H400 M = 1
 Aquatic Chronic H410 M = 1
 1

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

CAS No. 75980-60-8
 EINECS no. 278-355-8
 Registration no. 01-2119972295-29
 Concentration ≥ 1 < 2,5 %
 Classification (Regulation (EC) No. 1272/2008)
 Repr. 1B H360Fd.
 Skin Sens. 1B H317
 Aquatic Chronic 2 H411

Supplemental information

The substance is contained in the Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

2-Hydroxyethyl acrylate

CAS No. 818-61-1
 EINECS no. 212-454-9

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Registration no. 01-2119459345-34
Concentration $\geq 0,2$ < 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 $\geq 0,2$ %
ATE dermal 1.000 mg/kg

Additional remarks:

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

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!

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

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 15.04.2026

Print date: 15.04.2026

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.

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**

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

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	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
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/m ³

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	0,083	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	0,083	mg/kg/d

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 ³

Isodecylmethacrylate

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

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	2,5	mg/m 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	5	mg/kg/d

2-phenoxyethyl methacrylate

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	12	mg/m ³

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	84	mg/m 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	3,5	mg/kg/d

1,1,1- Trimethylol propane triacrylate

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	17,1	mg/m 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	404	mg/kg/d

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

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	

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Concentration	28,5	mg/m 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	673	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	5	mg/m ³
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	1,4	mg/kg/d

Predicted No Effect Concentration (PNEC)**Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

Type of value	PNEC	
Type	Saltwater	
Concentration	0,14	µg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,115	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,0115	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,0222	mg/kg

2-Hydroxyethyl acrylate

Type of value	PNEC	
Type	Freshwater	
Concentration	0,017	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,002	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,064	mg/kg
Type of value	PNEC	
Type	Marine sediment	

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

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
---------------	----	------

Isodecylmethacrylate

Type of value	PNEC
Type	Freshwater

Concentration	0,24	µg/l
---------------	------	------

Type of value	PNEC
Type	Saltwater

Concentration	0,024	µg/l
---------------	-------	------

Type of value	PNEC
Type	Sewage treatment plant (STP)

Concentration	50	mg/kg
---------------	----	-------

Type of value	PNEC
Type	Freshwater sediment

Concentration	0,042	mg/kg
---------------	-------	-------

Type of value	PNEC
Type	Marine sediment

Concentration	0,004	mg/kg
---------------	-------	-------

Type of value	PNEC
Type	Soil

Concentration	0,008	mg/kg
---------------	-------	-------

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Type of value	PNEC
Type	Freshwater

Concentration	4	µg/l
---------------	---	------

Type of value	PNEC
Type	Freshwater sediment

Concentration	0,019	mg/kg
---------------	-------	-------

Type of value	PNEC
Type	Marine sediment

Concentration	0,002	mg/kg
---------------	-------	-------

Type of value	PNEC
Type	Sewage treatment plant (STP)

Concentration	30	mg/l
---------------	----	------

Type of value	PNEC
Type	Soil

Concentration	0,001	mg/kg
---------------	-------	-------

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

2-phenoxyethyl methacrylate

Type of value	PNEC	
Type	Freshwater	
Concentration	14,2	µg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	1,42	µg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	1,77	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,665	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,067	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,125	mg/kg

1,1,1- Trimethylol propane triacrylate

Type of value	PNEC	
Type	Freshwater	
Concentration	0,87	µg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,087	µg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	6,25	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,017	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,002	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,003	mg/kg
Type of value	PNEC	
Type	Secondary poisoning	
Concentration	10	mg/kg

8.2. Exposure controls



Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

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

clear, transparent

Odour

characteristic

Melting point

Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Value 149 °C

Flammability

evaluation not determined

Upper and lower explosive limits

Remarks not determined

Flash point

Value 100 °C

Method closed cup

Auto-ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

pH value

Remarks not determined



Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative density

Value	1,07		g/cm ³
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

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

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

SECTION 11: Toxicological information

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

Acute oral toxicity

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

Acute oral toxicity (Components)

Isodecylmethacrylate

Species	rat (male)	
LD50	> 5000	mg/kg

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

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Species	rat (female)	
LD50	> 2000	mg/kg
Method	OECD 423	

2-phenoxyethyl methacrylate

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

2-Hydroxyethyl acrylate

Species	rat (male)	
LD50	540	mg/kg

aliphatic urethane triacrylate

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 423	

1,1,1- Trimethylol propane triacrylate

Species	rat	
LD50	> 5000	mg/kg

Acute dermal toxicity

ATE	> 10.000	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)	

Acute dermal toxicity (Components)

Isodecylmethacrylate

Species	rabbit	
LD50	> 3000	mg/kg

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

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 402	

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Species	rat	
LD0	> 2000	mg/kg
Method	OECD 402	

2-phenoxyethyl methacrylate

Species	rat	
LD50	> 2000	mg/kg

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Method 92/69/EEC, B.3

2-Hydroxyethyl acrylate

Species rat
 LD50 > 1000 mg/kg
 Method OECD 402

aliphatic urethane triacrylate

Species rat
 LD50 > 2000 mg/kg
 Method OECD 402

1,1,1- Trimethylol propane triacrylate

Species rabbit
 LD50 5170 mg/kg

Acute inhalational toxicity

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

Skin corrosion/irritation

evaluation irritant
 Remarks The classification criteria are met.

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

Species rabbit
 evaluation slight irritant effect - does not require labelling
 Source ECHA

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Species rabbit
 evaluation irritant
 Method OECD 404

2-phenoxyethyl methacrylate

Species rabbit
 evaluation slight irritant effect - does not require labelling

2-Hydroxyethyl acrylate

Species rabbit
 evaluation corrosive

1,1,1- Trimethylol propane triacrylate

Species rabbit
 evaluation irritant
 Method OECD 404

Serious eye damage/irritation

evaluation irritant
 Remarks The classification criteria are met.

Serious eye damage/irritation (Components)**2-phenoxyethyl methacrylate**

Species rabbit
 evaluation slight irritant effect - does not require labelling

2-Hydroxyethyl acrylate

Species rabbit
 evaluation corrosive

1,1,1- Trimethylol propane triacrylate

Species rabbit
 evaluation irritant

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Species rabbit

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

evaluation slightly irritant
Method EEC 84/449, B.5

Sensitization

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

Sensitization (Components)**Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

Route of exposure dermal
Species mouse
evaluation sensitizing
Method OECD 429

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Route of exposure dermal
Species mouse
evaluation sensitizing
Method OECD 429

2-phenoxyethyl methacrylate

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

2-Hydroxyethyl acrylate

Route of exposure dermal
Species mouse
evaluation sensitizing

aliphatic urethane triacrylate

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

1,1,1- Trimethylol propane triacrylate

evaluation sensitizing

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

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

Reproductive toxicity

Remarks The classification criteria are met.

Reproduction toxicity (Components)**Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

Route of exposure oral
Species rat
Dose 150 mg/kg/d
Duration of exposure 14 d
evaluation Suspected of damaging the unborn child.
Source Manufacturer's data

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

Route of exposure oral
Species rat
Dose 60 mg/kg/d
Duration of exposure appr. 127 d

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

evaluation
Source

May damage fertility.
Manufacturer's data

2-phenoxyethyl methacrylate

Route of exposure

oral

Species

rat

Dose

600

mg/kg/d

evaluation

Suspected of damaging fertility. Suspected of damaging the unborn child.

Source

ECHA

Carcinogenicity

evaluation

Suspected of causing cancer.

Remarks

The classification criteria are met.

Carcinogenicity (Components)**1,1,1- Trimethylol propane triacrylate**

evaluation

Suspected of causing cancer.

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)**Isodecylmethacrylate**

Species

golden orfe (*Leuciscus idus*)

LC50

470

mg/l

Duration of exposure

48

h

Source

ECHA

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

Species

carp (*Cyprinus carpio*)

LC50

1,4

mg/l

Duration of exposure

96

h

Method

OECD 203

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	4		mg/l
Duration of exposure	96	h	
Method	OECD 203		

2-phenoxyethyl methacrylate

Species	golden orfe (<i>Leuciscus idus</i>)		
EC50	appr. 10		mg/l
Duration of exposure	72	h	
Method	OECD 203		

2-Hydroxyethyl acrylate

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

aliphatic urethane triacrylate

Species	zebra fish (<i>Brachydanio rerio</i>)		
EC50	> 100		mg/l
Duration of exposure	96	h	
Method	OECD 203		

1,1,1- Trimethylol propane triacrylate

Species	zebra fish (<i>Brachydanio rerio</i>)		
LC50	0,87		mg/l
Duration of exposure	96	h	
Method	OECD 203		

Daphnia toxicity (Components)**Isodecylmethacrylate**

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

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

Species	Daphnia magna		
EC50	3,53		mg/l
Duration of exposure	48	h	
Method	OECD 202		

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Species	Daphnia magna		
LC50	20		mg/l
Duration of exposure	48	h	
Method	OECD 202		

2-phenoxyethyl methacrylate

Species	Daphnia magna		
EC50	1,21		mg/l
Duration of exposure	48	h	
Method	OECD 202		

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
Duration of exposure	21	d	
Method	OECD 211		

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

aliphatic urethane triacrylate

Species	Daphnia magna	
EC50	> 100	mg/l
Duration of exposure	48	h
Method	OECD 202	

1,1,1- Trimethylol propane triacrylate

EC50	19,9	mg/l
Method	Regulation (EC) No. 440/2008, Annex, C.2	

Algae toxicity (Components)**Isodecylmethacrylate**

Species	Desmodesmus subspicatus	
EC50	> 16,9	µg/l
Duration of exposure	72	h
Method	OECD 201	

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

Species	Pseudokirchneriella subcapitata	
EC50	> 2,01	mg/l
Duration of exposure	72	h
Method	OECD 201	

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Species	Desmodesmus subspicatus	
EC50	34	mg/l
Duration of exposure	72	h
Method	OECD 201	

2-phenoxyethyl methacrylate

Species	Scenedesmus subspicatus	
EC50	4,4	mg/l
Duration of exposure	72	h
Method	ISO 8692	

2-Hydroxyethyl acrylate

Species	Pseudokirchneriella subcapitata	
EC50	6	mg/l
Duration of exposure	72	h
Method	OECD 201	

aliphatic urethane triacrylate

Species	Pseudokirchneriella subcapitata	
EC50	> 100	mg/l
Duration of exposure	72	h
Method	OECD 201	

1,1,1- Trimethylol propane triacrylate

Species	Scenedesmus subspicatus	
EC50	4,86	mg/l
Duration of exposure	96	h
Method	Regulation (EC) No. 440/2008, Annex, C.3	

Bacteria toxicity (Components)**Isodecylmethacrylate**

EC0	> 500	mg/l
Method	OECD 209	

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

Species	activated sludge	
EC50	> 1000	mg/l
Duration of exposure	3	h
Method	OECD 209	

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Species	activated sludge		
EC10	300		mg/l
Duration of exposure	3	h	
Method	OECD 209		

2-phenoxyethyl methacrylate

Species	activated sludge		
EC50	177		mg/l
Duration of exposure	3	h	

2-Hydroxyethyl acrylate

Species	activated sludge		
EC10	> 100		mg/l
Duration of exposure	72	h	

1,1,1- Trimethylol propane triacrylate

Species	activated sludge		
EC20	625		mg/l
Duration of exposure	30	min	

aliphatic urethane triacrylate

Species	activated sludge		
NOEC	> 34		mg/l
Duration of exposure	28	d	

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**Isodecylmethacrylate**

evaluation	Readily biodegradable (according to OECD criteria)
------------	--

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

Value	0	to	10	%
Duration of test	28	d		
evaluation	not readily degradable			

2-phenoxyethyl methacrylate

evaluation	not readily degradable
------------	------------------------

aliphatic urethane triacrylate

Value	0		%
Duration of test	28	d	
evaluation	not readily degradable		
Method	OECD 301 B		

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate

Value	28		%
Duration of test	28	d	
evaluation	not readily degradable		
Method	OECD 301 B		

2-Hydroxyethyl acrylate

Value	80		%
Duration of test	28	d	
evaluation	Readily biodegradable (according to OECD criteria)		
Method	OECD 301B / ISO 9439 / EEC 84/449 C5		

1,1,1- Trimethylol propane triacrylate

Value	82	to	90	%
Duration of test	28	d		
evaluation	Readily biodegradable (according to OECD criteria)			

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Method OECD 301 B

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)**Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**log Pow 3,1
Temperature 23 °C**2-phenoxyethyl methacrylate**log Pow 3,137
Method OECD 117**2-Hydroxyethyl acrylate**log Pow -0,17
Temperature 25 °C**aliphatic urethane triacrylate**log Pow 4,23
Temperature 20 °C**(5-ethyl-1,3-dioxan-5-yl)methyl acrylate**log Pow 1,9
Temperature 23 °C
Method OECD 117**1,1,1- Trimethylol propane triacrylate**log Pow 4,35
Temperature 20 °C
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 assessmentThe 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.

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 15.04.2026

Print date: 15.04.2026

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	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isodecylmethacrylate, 1,1,1- Trimethylol propane triacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isodecylmethacrylate, 1,1,1- Trimethylol propane triacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isodecylmethacrylate, 1,1,1- Trimethylol propane triacrylate)
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 ***

Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

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

Restriction according to annex XVII to regulation (EU) No 1907/2006

The product is subject to restrictions according to Annex XVII Regulation (EU) No. 1907/2006: Entry No. 3

Ingredients with restrictions according to Annex XVII Regulation (EU) No. 1907/2006 ***

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

The product is subject to restrictions according to Annex XVII Regulation (EU) No. 1907/2006: Entry-No. 75

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.

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 Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1A	H317	Calculation method
Carc. 2	H351	Calculation method
Repr. 1B	H360Fd.	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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H360Fd.	May damage fertility. Suspected of damaging the unborn child.
H361d	Suspected of damaging the unborn child.
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
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2



Trade name: FotoDent IBT

Substance number: 9702IBT

Version: 3 / GB

Date revised: 15.04.2026

Replaces Version: 2 / GB

Print date: 15.04.2026

Skin Sens. 1
Skin Sens. 1A
Skin Sens. 1B

Skin sensitization, Category 1
Skin sensitization, Category 1A
Skin 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.