

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

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

### 1.1. Product identifier

Fotoplast Gel opaque H

This substance/mixture contains components in nanoform

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

#### Use of the substance/preparation

Light-curing material for the production of earmolds

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

#### Address/Manufacturer

Dreve Otoplastik GmbH

Max-Planck-Straße 31

DE-59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided by / telephone Department Research &amp; Development: Fax: +49 2303 8807-562

E-mail address of person responsible sicherheitsdatenblatt@dreve.com

for this SDS

### 1.4. Emergency telephone number

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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

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

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317

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: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

**Hazard statements**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.

**Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264.1 Wash hands thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501.1 Dispose of contents/container to industrial incineration plant.

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

contains 2-hydroxyethyl methacrylate; 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid; Hydroxypropyl methacrylate; Propylidynetrimethanol, ethoxylated, esters with acrylic acid

**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 \*\*\*****Aliphatic urethane methacrylate**

Concentration	>= 25	< 50	%
Classification (Regulation (EC) No. 1272/2008)			
Eye Irrit. 2	H319		

**Hydroxypropyl methacrylate**

CAS No.	27813-02-1		
EINECS no.	248-666-3		
Registration no.	01-2119490226-37		
Concentration	>= 25	< 50	%
Classification (Regulation (EC) No. 1272/2008)			
Eye Irrit. 2	H319		
Skin Sens. 1	H317		

ATE	oral	2.000	mg/kg
-----	------	-------	-------

**2-hydroxyethyl methacrylate**

CAS No.	868-77-9		
EINECS no.	212-782-2		
Registration no.	01-2119490169-29		
Concentration	>= 10	< 25	%
Classification (Regulation (EC) No. 1272/2008)			
Skin Irrit. 2	H315		
Eye Irrit. 2	H319		



Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

Skin Sens. 1 H317

Additional remarks:

CLP

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

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

CAS No. 55818-57-0

EINECS no. 500-130-2

Registration no. 01-2119490020-53

Concentration  $\geq 1$  < 2,5 %

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

Skin Sens. 1 H317

Aquatic Chronic 2 H411

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

CAS No. 75980-60-8

EINECS no. 278-355-8

Registration no. 01-2119972295-29

Concentration  $\geq 0,1$  < 1 %

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

Repr. 2 H361f

Supplemental information

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

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

CAS No. 28961-43-5

EINECS no. 500-066-5

Registration no. 01-2119489900-30

Concentration  $\geq 0,1$  < 1 %

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

Eye Irrit. 2 H319

Skin Sens. 1B H317

Aquatic Chronic 3 H412

**C.I. Pigment Red 178**

CAS No. 3049-71-6

EINECS no. 221-264-5

Registration no. 01-2119969284-27

Concentration &lt; 0,1 %

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

STOT RE 2 H373 Lungs

Particle size distribution d10 5-50 nm  
Method Transmission Electron Microscopy (TEM)

Shape and aspect ratio of particles Spheres, 1:3

15 to 100 m<sup>2</sup>/g

Particle size distribution d50 10-100 nm  
Method Transmission Electron Microscopy (TEM)

Particle size distribution d90 100-200 nm  
Method Transmission Electron Microscopy (TEM)

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated clothing immediately and dispose of safely.

#### 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, 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.

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

## 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

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.

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

**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	
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/m <sup>3</sup>

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

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,0833	mg/kg/d

**2-hydroxyethyl methacrylate**

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/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1,39	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1,45	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

Mode of action  
ConcentrationSystemic effects  
0,83

mg/kg/d

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**Type of value  
Derived No Effect Level (DNEL)Reference group  
WorkerDuration of exposure  
Long termRoute of exposure  
dermalMode of action  
Systemic effectsConcentration  
33 mg/kgType of value  
Derived No Effect Level (DNEL)Reference group  
WorkerDuration of exposure  
Long termRoute of exposure  
inhalativeMode of action  
Systemic effectsConcentration  
1,17 mg/m<sup>3</sup>**Hydroxypropyl methacrylate**Reference substance  
Hydroxypropyl methacrylateType of value  
Derived No Effect Level (DNEL)Reference group  
WorkerRoute of exposure  
inhalativeConcentration  
14,7 mg/m<sup>3</sup>Type of value  
Derived No Effect Level (DNEL)Reference group  
WorkerRoute of exposure  
dermalConcentration  
4,2 mg/kg/dType of value  
Derived No Effect Level (DNEL)Reference group  
ConsumerRoute of exposure  
dermalConcentration  
2,5 mg/kgType of value  
Derived No Effect Level (DNEL)Reference group  
ConsumerRoute of exposure  
inhalativeConcentration  
8,8 mg/m<sup>3</sup>Type of value  
Derived No Effect Level (DNEL)Reference group  
ConsumerRoute of exposure  
oralConcentration  
2,5 mg/kg**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**Type of value  
Derived No Effect Level (DNEL)Reference group  
WorkerDuration of exposure  
Long termRoute of exposure  
inhalativeMode of action  
Systemic effectsConcentration  
37 mg/m<sup>3</sup>Type of value  
Derived No Effect Level (DNEL)

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	10,5	mg/kg

**C.I. Pigment Red 178**

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	0,02	mg/m <sup>3</sup>

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

Type of value	PNEC	
Type	Saltwater	
Concentration	0,00014	mg/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 methacrylate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,482	mg/l

Type of value	PNEC	
Type	Soil	
Concentration	0,476	mg/kg

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	3,79	mg/kg

Type of value	PNEC	
Type	Saltwater	
Concentration	0,482	mg/l

Type of value	PNEC	
Type	Marine sediment	



Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

Concentration	3,79	mg/kg
---------------	------	-------

Type of value	PNEC	
Type	Man via the environment	
Concentration	0,83	mg/kg/d

Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	1	mg/l

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,025	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0,003	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	8,96	mg/kg

Type of value	PNEC	
Type	Marine sediment	
Concentration	0,896	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	1,78	mg/kg

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l

**Hydroxypropyl methacrylate**

Reference substance	Hydroxypropyl methacrylate	
Type of value	PNEC	
Type	Freshwater	
Concentration	0,904	mg/l

Type of value	Hydroxypropyl methacrylate	
Type	PNEC	
Type	Freshwater sediment	
Concentration	6,28	mg/kg

Type of value	Hydroxypropyl methacrylate	
Type	PNEC	
Type	Soil	
Concentration	0,727	mg/kg

Type of value	Hydroxypropyl methacrylate	
Type	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

Type of value	PNEC	
Type	Marine	
Concentration	0,904	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	6,28	mg/kg
<b>Propyldynetrimethanol, ethoxylated, esters with acrylic acid</b>		
Type of value	PNEC	
Type	Freshwater	
Concentration	0,002	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l
Type	Freshwater sediment	
Concentration	0,038	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,004	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,006	mg/kg

## 8.2. Exposure controls

### General protective and hygiene measures

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

### Respiratory protection

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

### Hand protection

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

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

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

Hand protection must comply with EN 374.

Appropriate Material nitrile

### Eye protection

Safety glasses

### Body protection

Clothing as usual in the chemical industry.

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	liquid, viscous	
<b>Colour</b>	Various, depending on coloration	
<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	209	°C
<b>Flammability</b>		
evaluation	not determined	
<b>Upper and lower explosive limits</b>		
Remarks	not determined	
<b>Flash point</b>		
Value	> 100	°C
Method	closed cup	
<b>Auto-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	1,14	g/cm <sup>3</sup>
Temperature	20	°C
<b>Relative vapour density</b>		
Remarks	not determined	

### 9.2. Other information

<b>Odour threshold</b>	
Remarks	not determined
<b>Evaporation rate (ether = 1) :</b>	
Remarks	not determined
<b>Solubility in water</b>	

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

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

## SECTION 11: Toxicological information

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

ATE	5.299,47	mg/kg
	37	

Method calculated value according to GHS (e.g see UN GHS)

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

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

**2-hydroxyethyl methacrylate**

Species	rat	
LD50	> 5564	mg/kg

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Species	rat	
LD0	> 2000	mg/kg
Method	OECD 401	

**Hydroxypropyl methacrylate**

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

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

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 401	

**Aliphatic urethane methacrylate**

Species	rat	
LD50	> 2000	mg/kg

**C.I. Pigment Red 178**

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

**Acute dermal toxicity**

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

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

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 402	

**2-hydroxyethyl methacrylate**

Species	hamster	
LD50	> 5000	mg/kg
Remarks	Test conducted with a similar formulation.	

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Species	rat	
LD0	> 2000	mg/kg
Method	OECD 402	

**Hydroxypropyl methacrylate**

Species	rabbit	
LD50	> 5000	mg/kg

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species	rabbit	
LD50	> 13200	mg/kg

**Aliphatic urethane methacrylate**

Species	rabbit	
LD50	> 2000	mg/kg

**C.I. Pigment Red 178**

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)****C.I. Pigment Red 178**

Species	rat	
LC50	> 5,2	mg/l
Duration of exposure	4	
Administration/Form	Dust/Mist	
Method	OECD 403	

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

**Skin corrosion/irritation**

evaluation irritant  
Remarks The classification criteria are met.

**Serious eye damage/irritation**

evaluation irritant  
Remarks The classification criteria are met.

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

Species rabbit  
evaluation slightly irritant

**Hydroxypropyl methacrylate**

Species rabbit  
evaluation slightly irritant

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species rabbit  
evaluation irritant  
Method OECD 405

**Aliphatic urethane methacrylate**

Species rabbit  
evaluation irritant

**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 May cause sensitization by skin contact.

**2-hydroxyethyl methacrylate**

Remarks Possible sensitization potential with human beings.

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Route of exposure dermal  
Species mouse  
evaluation sensitizing  
Method OECD 429

**Hydroxypropyl methacrylate**

Species mouse  
evaluation non-sensitizing  
Method OECD 429  
Remarks May cause sensitization by skin contact.

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

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

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

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



Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

**Reproductive toxicity**

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

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

evaluation Suspected of damaging fertility.

**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.

**Specific Target Organ Toxicity (STOT) (Components)****C.I. Pigment Red 178****Repeated exposure**

evaluation May cause damage to organs through prolonged or repeated exposure  
Route of exposure inhalative  
Organs: Lungs

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

Species	carp (Cyprinus carpio)	
LC50	1,4	mg/l
Duration of exposure	96	h
Method	OECD 203	

**2-hydroxyethyl methacrylate**

Species	Oryzias latipes	
LC50	> 100	mg/l
Duration of exposure	96	h
Method	OECD 203	

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Species	carp ( <i>Cyprinus carpio</i> )	
LC50	> 0,082	mg/l
Duration of exposure	96	h
Method	ISO 7346	

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Species	Fathead minnow ( <i>Pimephales promelas</i> )	
NOEC	0,25	mg/l
Duration of exposure	33	d
Method	OECD 210	

**Hydroxypropyl methacrylate**

Species	<i>Oryzias latipes</i>	
LC50	> 100	mg/l
Duration of exposure	96	h
Method	OECD 203	

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species	Zebrafish ( <i>Brachydanio rerio</i> )	
LC50	1,95	mg/l
Duration of exposure	96	h
Method	OECD 203	

**C.I. Pigment Red 178**

Species	zebra fish ( <i>Brachydanio rerio</i> )	
LC50	> 100	mg/l
Duration of exposure	96	h
Method	OECD 203	

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

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

**2-hydroxyethyl methacrylate**

Species	<i>Daphnia magna</i>	
EC50	380	mg/l
Duration of exposure	48	h
Method	OECD 202	

**2-hydroxyethyl methacrylate**

Species	<i>Daphnia magna</i>	
NOEC	24,1	mg/l
Duration of exposure	21	d
Method	OECD 211	

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Species	<i>Daphnia magna</i>	
LC50	> 16	mg/l
Duration of exposure	48	h
Method	OECD 202	

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Species	<i>Daphnia magna</i>	
NOEC	>= 0,51	mg/l
Duration of exposure	21	d



Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

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

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species Daphnia magna  
 EC50 70,7 mg/l  
 Duration of exposure 48 h  
 Method OECD 202

**C.I. Pigment Red 178**

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

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

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

**2-hydroxyethyl methacrylate**

Species Pseudokirchneriella subcapitata  
 EC50 345 mg/l  
 Duration of exposure 72 h  
 Method OECD 201

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Species Pseudokirchneriella subcapitata  
 EC50 17 mg/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

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species Scenedesmus subspicatus  
 EC50 2,2 mg/l  
 Duration of exposure 72 h  
 Method OECD 201

**C.I. Pigment Red 178**

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

**Bacteria toxicity (Components)**

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

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

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

**2-hydroxyethyl methacrylate**

Species Pseudomonas fluorescens  
 EC0 > 3000 mg/l  
 Duration of exposure 16 h

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

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

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species activated sludge  
 EC20 292 mg/l  
 Duration of exposure 3 h  
 Method OECD 209

**C.I. Pigment Red 178**

Species Pseudomonas putida  
 EC50 > 10000 mg/l  
 Duration of exposure 30 min  
 Method DIN 38412 / Part 27

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

not determined

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

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

**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

Value 42 %  
 Duration of test 28 d  
 evaluation not readily degradable

**2-hydroxyethyl methacrylate**

Value 92 to 100 %  
 Duration of test 14 d  
 evaluation Readily biodegradable (according to OECD criteria)

**C.I. Pigment Red 178**

Value 0 to 10 %  
 Duration of test 28 d  
 evaluation Readily biodegradable (according to OECD criteria)  
 Method OECD 301F

**Hydroxypropyl methacrylate**

Value 81 %  
 Duration of test 28 d  
 evaluation Readily biodegradable (according to OECD criteria)  
 Method OECD 301 C

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Value 58 to 61 %

Duration of test  
evaluation28 d  
Readily biodegradable (according to OECD criteria)**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-hydroxyethyl methacrylate**log Pow 0,42  
Temperature 25 °C  
Method OECD 107**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid**

log Pow &lt; 1,6 to 3,8

**Hydroxypropyl methacrylate**log Pow 0,97  
Temperature 20 °C**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**log Pow 2,89  
Temperature 23 °C  
Method OECD 107**C.I. Pigment Red 178**log Pow < 1  
Temperature 20 °C**Bioconcentration factor (BCF) (Components)****Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**BCF 47 to 55  
Concentration 0,1 mg/l  
Duration of exposure 8 Weeks  
Medium Freshwater  
Species carp (Cyprinus carpio)**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**

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 09.04.2025

Print date: 09.04.2025

**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 \*\*\***

	<b>Land transport ADR/RID ***</b>	<b>Marine transport IMDG/GGVSee ***</b>	<b>Air transport ICAO/IATA ***</b>
<b>14.1. UN number or ID number</b>	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.
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>		-	-
<b>Label</b>			
<b>14.4. Packing group</b>		-	-

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Other information**

All components are contained in the TSCA inventory or exempted.

**15.2. Chemical safety assessment**

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

Trade name: Fotoplast Gel opaque H

Substance number: 71135

Version: 2 / GB

Date revised: 09.04.2025

Replaces Version: 1 / GB

Print date: 09.04.2025

## 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. 1	H317	Calculation method

### Hazard statements listed in Chapter 2/3

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### CLP categories listed in Chapter 2/3

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Irrit. 2	Eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, Category 1B
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2

### 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.