

Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

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

### 1.1. Product identifier

FotoTec Repair

### 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 Sens. 1 H317

Repr. 1B H360D

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

Danger



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

**Hazard statements**

H317 May cause an allergic skin reaction.  
 H360D May damage the unborn child.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P201 Obtain special instructions before use.  
 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.  
 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 Tetrahydrofurfuryl methacrylate; 7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate

**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****7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate**

CAS No.	72869-86-4		
EINECS no.	276-957-5		
Registration no.	01-2120751202-68		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)	Skin Sens. 1B	H317	
	Aquatic Chronic 2	H411	

**Tetrahydrofurfuryl methacrylate**

CAS No.	2455-24-5		
EINECS no.	219-529-5		
Registration no.	01-2120748481-53		
Concentration	>= 10	< 25	%
Classification (Regulation (EC) No. 1272/2008)	Skin Sens. 1	H317	
	Repr. 1B	H360D	
	Aquatic Chronic 3	H412	

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

CAS No.	75980-60-8
---------	------------



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

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).

## 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, 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

Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

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

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.



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

**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	
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

**Tetrahydrofurfuryl 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	3,53	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	



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

Concentration	1	mg/kg
---------------	---	-------

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

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

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

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

Mode of action	Systemic effects	
----------------	------------------	--

Concentration	0,87	mg/m <sup>3</sup>
---------------	------	-------------------

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

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

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

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

Mode of action	Systemic effects	
----------------	------------------	--

Concentration	0,5	mg/kg
---------------	-----	-------

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	0,5	mg/kg
---------------	-----	-------

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahehexadecane-1,16-diylbismethacrylate**

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

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

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

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

Mode of action	Systemic effects	
----------------	------------------	--

Concentration	3,3	mg/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	1,3	mg/kg
---------------	-----	-------

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

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

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

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

Mode of action	Systemic effects	
----------------	------------------	--

Concentration	0,6	mg/m <sup>3</sup>
---------------	-----	-------------------

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

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

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

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

Mode of action	Systemic effects	
----------------	------------------	--

Concentration	0,3	mg/kg
---------------	-----	-------

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

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

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

Route of exposure	dermal	
-------------------	--------	--



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

Mode of action	Systemic effects	
Concentration	0,7	mg/kg

**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

**Tetrahydrofurfuryl methacrylate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,347	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,035	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	15,8	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	2,12	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,212	mg/kg
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,347	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	0,221	mg/kg

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,01	mg/l



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	4,56	mg/kg
Type of value	PNEC	
Type	Saltwater	
Concentration	0,001	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,46	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,91	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	3,61	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,1	mg/l

## 8.2. Exposure controls

### General protective and hygiene measures

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

### Respiratory protection

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

### Hand protection

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

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

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

Hand protection must comply with EN 374.

Appropriate Material                      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

<b>Physical state</b>	liquid, viscous
<b>Colour</b>	Various, depending on coloration





Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

<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	222		°C
<b>Flammability</b>			
evaluation	not determined		
<b>Upper and lower explosive limits</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	99		°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	1,10		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>			
Remarks	not determined		
<b>Other information</b>			



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

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

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

#### Acute oral toxicity (Components)

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

Species	rat		
LD50	>	5000	mg/kg
Method		OECD 401	

##### Tetrahydrofurfuryl methacrylate

Species	rat		
LD50		3945	mg/kg

##### 7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazaheptadecane-1,16-diylbismethacrylate

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	

##### 7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazaheptadecane-1,16-diylbismethacrylate

Species	rat		
LD50	>	2000	mg/kg
Method		OECD 402	



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

**Acute inhalational toxicity**

ATE	> 20	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	
Remarks	Based on available data, the classification criteria are not met.	

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

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

**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.

**Tetrahydrofurfuryl methacrylate**

Route of exposure	dermal
Species	Human
evaluation	sensitizing

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate**

Route of exposure	dermal
Species	mouse
evaluation	sensitizing

**Subacute, subchronic, chronic toxicity**

Remarks	not determined
---------	----------------

**Mutagenicity**

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

**Reproductive toxicity**

evaluation	May damage the unborn child.
Remarks	The classification criteria are met.

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

evaluation	Suspected of damaging fertility.
------------	----------------------------------

**Tetrahydrofurfuryl methacrylate**

Route of exposure	oral
Species	rat
evaluation	May damage the unborn child.

**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**

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



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

## 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 ( <i>Cyprinus carpio</i> )	
LC50	1,4	mg/l
Duration of exposure	96	h
Method	OECD 203	

##### Tetrahydrofurfuryl methacrylate

Species	Fathead minnow ( <i>Pimephales promelas</i> )	
LC50	34,7	mg/l
Duration of exposure	96	h

##### 7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate

Species	zebra fish ( <i>Brachydanio rerio</i> )	
LC50	10,1	mg/l
Duration of exposure	96	h
Method	OECD 203	

#### Daphnia toxicity (Components)

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

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

##### Tetrahydrofurfuryl methacrylate

Species	Daphnia magna	
EC50	97,3	mg/l
Duration of exposure	21	d
Method	OECD 211	

##### 7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate

Species	Daphnia magna	
EC50	1,2	mg/l
Duration of exposure	48	h
Method	OECD 202	

#### Algae toxicity (Components)

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

Species	Pseudokirchneriella subcapitata	
---------	---------------------------------	--



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

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

**Tetrahydrofurfuryl methacrylate**

Species	Scenedesmus subspicatus			
EC50		100		mg/l
Duration of exposure		72	h	
Method		OECD 201		

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazaheptadecane-1,16-diylbismethacrylate**

Species	Scenedesmus subspicatus			
EC50	>	0,68		mg/l
Duration of exposure		72	h	
Method		OECD 201		

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

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

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazaheptadecane-1,16-diylbismethacrylate**

Species	activated sludge			
NOEC	>=	36,1		mg/l
Duration of exposure		14	d	

**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				

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazaheptadecane-1,16-diylbismethacrylate**

Value		22		%
Duration of test		28	d	
evaluation	not readily degradable			

**Ready degradability (Components)****Tetrahydrofurfuryl methacrylate****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

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazaheptadecane-1,16-diylbismethacrylate**

log Pow		3,39	
Temperature		20	°C



Trade name: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

**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****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: FotoTec Repair







Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

	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. (7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate, Tetrahydrofurfuryl methacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate, Tetrahydrofurfuryl methacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate, Tetrahydrofurfuryl methacrylate)
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	 ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS
Tunnel restriction code	-		

## 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: FotoTec Repair

Substance number: 71083 REPAIR

Version: 2 / GB

Date revised: 26.02.2024

Replaces Version: 1 / GB

Print date: 26.02.2024

## SECTION 16: Other information

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

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

Skin Sens. 1	H317	Calculation method
Repr. 1B	H360D	Calculation method
Aquatic Chronic 2	H411	Calculation method

### Hazard statements listed in Chapter 2/3

H317	May cause an allergic skin reaction.
H360D	May damage the unborn child.
H361f	Suspected of damaging fertility.
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
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	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.