Substance number: S0023

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 26.08.2024 Print date: 26.08.2024

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

## 1.1. Product identifier

FotoTec SL.A transparent

# 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 by means of 3D printing processes

# 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 Department Research & Development: Fax: +49 2303 8807-562 by / telephone E-mail address of sicherheitsdatenblatt@dreve.com person responsible for this SDS

# 1.4. Emergency telephone number

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

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

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

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

Skin Sens. 1B H317

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008 For explanation of abbreviations see section 16.

# 2.2. Label elements

# Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Trade name: FotoTec SL.A ti	ransparent			
Substance number: S0023	Version	: 2 / GB		Date revised: 26.08.202
		s Version: 1 / GE	3	Print date: 26.08.202
H317 H412	May cause an allergic sl Harmful to aquatic life w		fects.	
Precautionary stater	nents			
P261 P273 P280 P302+P352 P333+P313 P501.1	Avoid breathing dust/fur Avoid release to the env Wear protective gloves/ IF ON SKIN: Wash with If skin irritation or rash o Dispose of contents/con	ironment. protective clothing plenty of soap ar ccurs: Get medic	g/eye protecti nd water. al advice/atte	ntion.
Hazardous compone	ent(s) to be indicated o			•
contains	Tetramethylene dimetha 5,12-diazahexadecane-	crylate; 7,7,9(7,9	,9)-trimethyl-	•
-	have to be mentioned.			<b>T</b> I:
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SECTION	V 3: Composition/i	nformation	on inare	dients ***
	N 3: Composition/i	nformation	on ingre	dients ***
3.2. Mixtures		nformation	on ingre	dients ***
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3.2. Mixtures Hazardous ingredier 7,7,9(7,9,9)-trimethyl- CAS No. EINECS no. Registration no. Concentration Classification (Regul Tetramethylene dime CAS No. EINECS no. Registration no. Concentration	nts *** <b>4,13-dioxo-3,14-dioxa-5,1</b> 72869-86-4 276-957-5 01-2120751202-68 >= 10 ation (EC) No. 1272/2008) Skin Sens. 1B Aquatic Chronic 2	<b>2-diazahexadec</b> < 25 H317	ane-1,16-diy	
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Substance number: S0023

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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, CO2, powders, water spray/mist, Extinguishing measures to suit surroundings

## Non suitable extinguishing media

Full water jet

# 5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

# 5.3. Advice for firefighters

# Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

## Other information

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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.

#### 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**

Replaces Version: 1 / GB     Print date: 26.08.2024       S.1. Control parameters       Other information       Contains no substances with occupational exposure limit values.       Derived No/Minimal Effect Levels (DNEL/DMEL)       Dipart of value       Other information       Mode of action of exposure     Consumer       Duration of exposure     Consumer       Duration of exposure     Consumer       Duration of exposure     Long term       Route of exposure     Consumer       Duration of exposure     Long term       Route of exposure     Consumer       Duration of exposure     Long term     Route of exposure     Consumer       Duration of exposure     Long term     Route of exposure     Consumer       Duration of exposure     Long term     Route of exposure     Long term       Route of exposure     Long term     Route of exposure     Long term       Route of exposure     Long term     Route of exposure     Long term       Route of exposure     Long term     Route of exposure     Long term       Route of exposure     Long term     Route of exposure     Long term       Route of exposure     Long term <t< th=""><th>Safety data sheet in accordance</th><th>Dreve</th></t<>	Safety data sheet in accordance	Dreve	
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Replaces Version: 1/CB     Print date: 26.08.2024       St. Control parameters       Other information       Contains no substances with occupational exposure limit values.       Derived No/Minimal Effect Levels (DNEL/DMEL)       Dipage of value       Derived No/Minimal Effect Levels (DNEL/DMEL)       Derived No/Minimal Effect Levels (DNEL)       Reference group       Worker       Duration of exposure       Consumer       Duration of exposure       Dong term       Route of exposure       Duration of exposure   <	Substance number: S0023	Version: 2 / GB	Date revised: 26.08.2024
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Reference group       Consumer         Duration of exposure       Long term         Route of exposure       oral         Mode of action       Systemic effects         Concentration       0,0833         Tetramethylene dimethacrylate       Type of value         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       14,5         Type of value       Derived No Effect Level (DNEL)         Reference group       Worker         Duration of exposure       Long term         Route of action       Systemic effects         Concentration       4,2       mg/kg/d         Type of value       Derived No Effect Level (DNEL)         Reference group       Consumer       Mode of action         Youration of exposure       Long term         Route of exposure       Long term	Type of value	Derived No Effect Level (DNEL)	
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Route of exposure Mode of actionoralMode of actionSystemic effects Concentration0,0833Tetramethylene dimethacrylateType of valueDerived No Effect Level (DNEL) Reference groupReference groupWorker Long termRoute of exposureLong term InhalativeMode of actionSystemic effects ConcentrationConcentration14,5Type of valueDerived No Effect Level (DNEL) Reference groupReference groupWorker Uoration of exposureDuration of exposureLong term Route of exposureRoute of exposuredermal dermal Mode of actionMode of actionSystemic effects concentrationType of valueDerived No Effect Level (DNEL) Reference groupReference groupWorker dermal dermalMode of actionSystemic effects concentrationType of valueDerived No Effect Level (DNEL) dermal Mode of actionType of valueDerived No Effect Level (DNEL) Reference groupReference groupConsumer Consumer Duration of exposureDuration of exposureLong term Route of exposureRoute of exposureLong term Inhalative Mode of actionRoute of exposureLong term Inhalative Mode of actionRoute of exposureIng term Inhalative Mode of actionRoute of exposureIng term InhalativeRoute of exposureIng term InhalativeRoute of exposureIng term InhalativeRoute of exposureIng			
Mode of action ConcentrationSystemic effects 0,0833mg/kg/dTetramethylene dimethacrylate Type of valueType of valueDerived No Effect Level (DNEL) Reference groupReference groupWorker Long term nhalativeBoute of exposureLong term inhalativeMode of actionSystemic effects ConcentrationType of valueDerived No Effect Level (DNEL) Reference groupReference groupWorker Uoration of exposureDuration of exposureLong term dermal Mode of actionType of valueDerived No Effect Level (DNEL) Reference groupReference groupWorker dermal dermal Mode of actionMode of actionSystemic effects concentrationType of valueDerived No Effect Level (DNEL) Reference groupReference groupConsumer dermal Hode of actionType of valueDerived No Effect Level (DNEL) Reference groupReference groupConsumer Long term Route of exposureDuration of exposureLong term Route of exposureDuration of exposureLong term Nog term Route of exposureReference groupConsumer Consumer Duration of exposureDuration of exposureLong term Nog term Node of actionReference groupConsumer Consumer Nog term Route of exposureMode of actionSystemic effectsMode of actionSystemic effects		•	
Concentration0,0833mg/kg/dTetramethylene dimethacrylateType of valueDerived No Effect Level (DNEL)Reference groupWorkerDuration of exposureLong termRoute of exposureinhalativeMode of actionSystemic effectsConcentration14,5Type of valueDerived No Effect Level (DNEL)Reference groupWorkerDuration of exposureLong termRoute of exposureDerived No Effect Level (DNEL)Reference groupWorkerDuration of exposureLong termRoute of exposuredermalMode of actionSystemic effectsConcentration4,2Type of valueDerived No Effect Level (DNEL)Reference groupConsumerMode of actionSystemic effectsConcentration4,2Type of valueDerived No Effect Level (DNEL)Reference groupConsumerDuration of exposureLong termRoute of exposureLong termRoute of exposureLong termRoute of exposureinhalativeMode of actionSystemic effects		Systemic effects	
Type of valueDerived No Effect Level (DNEL)Reference groupWorkerDuration of exposureLong termRoute of exposureinhalativeMode of actionSystemic effectsConcentration14,5Type of valueDerived No Effect Level (DNEL)Reference groupWorkerDuration of exposureLong termRoute of exposureLong termReference groupWorkerDuration of exposureLong termRoute of exposuredermalMode of actionSystemic effectsConcentration4,2Type of valueDerived No Effect Level (DNEL)Reference groupConsumerDuration of exposureLong termRoute of exposureDerived No Effect Level (DNEL)Reference groupConsumerDuration of exposureLong termReference groupConsumerDuration of exposureLong termRoute of exposureLong termRoute of exposureLong termMode of actionSystemic effectsMode of actionSystemic effects	Concentration	-	mg/kg/d
Type of valueDerived No Effect Level (DNEL)Reference groupWorkerDuration of exposureLong termRoute of exposureinhalativeMode of actionSystemic effectsConcentration14,5Type of valueDerived No Effect Level (DNEL)Reference groupWorkerDuration of exposureLong termRoute of exposureLong termReference groupWorkerDuration of exposureLong termRoute of exposuredermalMode of actionSystemic effectsConcentration4,2Type of valueDerived No Effect Level (DNEL)Reference groupConsumerDuration of exposureLong termRoute of exposureDerived No Effect Level (DNEL)Reference groupConsumerDuration of exposureLong termReference groupConsumerDuration of exposureLong termRoute of exposureLong termRoute of exposureLong termMode of actionSystemic effectsMode of actionSystemic effects	Totromothylana dimothaar	viete	
Reference group       Worker         Duration of exposure       Long term         Route of exposure       inhalative         Mode of action       Systemic effects         Concentration       14,5       mg/m³         Type of value       Derived No Effect Level (DNEL)         Reference group       Worker         Duration of exposure       Long term         Route of exposure       Long term         Route of exposure       dermal         Mode of action       Systemic effects         Concentration       4,2       mg/kg/d         Type of value       Derived No Effect Level (DNEL)         Reference group       Consumer       Mode of action         Mode of action       Systemic effects         Concentration       4,2       mg/kg/d         Type of value       Derived No Effect Level (DNEL)         Reference group       Consumer         Duration of exposure       Long term         Route of exposure       Long term         Route of exposure       Long term         Route of exposure       inhalative         Mode of action       Systemic effects	•	•	
Duration of exposure Route of exposure Mode of action ConcentrationLong term inhalative Systemic effects 14,5mg/m3Type of value Reference group Duration of exposure Route of exposure ConcentrationDerived No Effect Level (DNEL) Worker Long term 4,2mg/m3Type of value Route of exposure Route of exposure Route of exposure Duration of exposure Route of exposure Long term Adde of action ConcentrationDerived No Effect Level (DNEL) mg/kg/dType of value Route of exposure Route of exposure Duration of exposure Long term Long term Duration of exposure Long term Route of exposure Route of exposure Systemic effects		· · · · · · · · · · · · · · · · · · ·	
Route of exposure Mode of action Concentrationinhalative Systemic effects 14,5mg/m3Type of value Reference group Duration of exposure Route of exposure ConcentrationDerived No Effect Level (DNEL) Worker Long term 4,2mg/m3Mode of action ConcentrationSystemic effects 4,2mg/kg/dType of value Reference groupDerived No Effect Level (DNEL) Mode of action 4,2mg/kg/dType of value Reference group Duration of exposure Consumer Duration of exposure Long term Route of exposure Duration of exposure Note of exposure Note of exposure Note of exposure Note of exposure Systemic effects Systemic effects Systemic effects Systemic effects Consumer Note of exposure Note of exposure Node of action Systemic effectsNote of exposure Systemic effectsMode of action Node of actionSystemic effects Systemic effectsNote of exposure Systemic effects			
Mode of action ConcentrationSystemic effects 14,5mg/m³Type of value Reference groupDerived No Effect Level (DNEL) Worker Duration of exposure Route of exposure ConcentrationLong term dermal 4,2Mode of action ConcentrationSystemic effects 4,2mg/kg/dType of value Reference groupDerived No Effect Level (DNEL) Reference groupmg/kg/dType of value Reference group Duration of exposure Consumer Duration of exposure Mode of actionDerived No Effect Level (DNEL) Consumer Long term inhalative Mode of actionSystemic effects Consumer Long term Systemic effects		•	
Concentration14,5mg/m³Type of value Reference group Duration of exposure Route of exposure ConcentrationDerived No Effect Level (DNEL) Worker Long term dermal 4,2mg/m³Mode of action ConcentrationSystemic effects 4,2mg/kg/dType of value Reference group Duration of exposure Consumer Duration of exposure Long term Route of exposure Long term Node of actionDerived No Effect Level (DNEL) Consumer Long term Systemic effectsMode of action Reference group Duration of exposure Route of exposure Route of exposure Route of exposure Node of actionDerived No Effect Level (DNEL) Consumer Long term inhalative Systemic effects			
Reference group       Worker         Duration of exposure       Long term         Route of exposure       dermal         Mode of action       Systemic effects         Concentration       4,2         Type of value       Derived No Effect Level (DNEL)         Reference group       Consumer         Duration of exposure       Long term         Route of exposure       Systemic effects         Mode of action       Systemic effects			mg/m³
Reference group       Worker         Duration of exposure       Long term         Route of exposure       dermal         Mode of action       Systemic effects         Concentration       4,2         Type of value       Derived No Effect Level (DNEL)         Reference group       Consumer         Duration of exposure       Long term         Route of exposure       Systemic effects         Mode of action       Systemic effects		Derived No Effect Level (DNEL)	
Duration of exposure       Long term         Route of exposure       dermal         Mode of action       Systemic effects         Concentration       4,2       mg/kg/d         Type of value       Derived No Effect Level (DNEL)         Reference group       Consumer         Duration of exposure       Long term         Route of exposure       Long term         Route of exposure       inhalative         Mode of action       Systemic effects		· · · · · · · · · · · · · · · · · · ·	
Route of exposure       dermal         Mode of action       Systemic effects         Concentration       4,2       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			
Mode of action ConcentrationSystemic effects 4,2mg/kg/dType of value Reference groupDerived No Effect Level (DNEL) Consumer Duration of exposureConsumer Long term inhalative Mode of actionMode of actionSystemic effects	•		
Concentration4,2mg/kg/dType of valueDerived No Effect Level (DNEL)Reference groupConsumerDuration of exposureLong termRoute of exposureinhalativeMode of actionSystemic effects			
Reference groupConsumerDuration of exposureLong termRoute of exposureinhalativeMode of actionSystemic effects		-	mg/kg/d
Reference groupConsumerDuration of exposureLong termRoute of exposureinhalativeMode of actionSystemic effects		Derived No Effect Level (DNEL)	
Duration of exposureLong termRoute of exposureinhalativeMode of actionSystemic effects			
Route of exposureinhalativeMode of actionSystemic effects			
Mode of action Systemic effects			
	Concentration	4,3	mg/m³

rado namo: EstaTas SL A trazana	ront	
rade name: FotoTec SL.A transpa		
Substance number: S0023	Version: 2 / GB	Date revised: 26.08.20
	Replaces Version: 1 / GB	Print date: 26.08.20
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	2,5	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	2,5	mg/kg
7,7,9(7,9,9)-trimethyl-4,13-d	lioxo-3,14-dioxa-5,12-diazahexadecane-1	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/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	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/m³
Type of value Reference group	Derived No Effect Level (DNEL) 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	
Mode of action	Systemic effects	
Concentration	0,7	mg/kg
Predicted No Effect Conc	entration (PNEC)	
Diphenyl (2,4,6-trimethylber	nzoyl)phosphine oxide	
Type of value	PNEC	
Туре	Saltwater	_
Concentration	0,00014	mg/l

rade name: FotoTec SL.A transp	parent	
Substance number: S0023	Version: 2 / GB	Date revised: 26.08.202
	Replaces Version: 1 / GB	Print date: 26.08.202
Type of value	PNEC Freshwater sediment	
Type Concentration	0,115	mg/kg
		5 5
Type of value	PNEC Marine sediment	
Type Concentration	0,0115	mg/kg
Concentration	0,0110	ing/kg
Type of value	PNEC	
Туре	Soil	
Concentration	0,0222	mg/kg
Tetramethylene dimethac	rvlate	
Type of value	PNEC	
Туре	Freshwater	
Concentration	0,003	mg/l
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	20	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,12	mg/kg
Type of value	PNEC	
Type of value Type	Marine sediment	
Concentration	0,012	mg/kg
Type of value Type	PNEC Soil	
Concentration	0,022	mg/kg
	-dioxo-3,14-dioxa-5,12-diazahexadecan	
Type of value	PNEC	
Туре	Freshwater	
Concentration	0,01	mg/l
Type of value	PNEC	
Туре	Freshwater sediment	
Concentration	4,56	mg/kg
Type of value	PNEC	
Туре	Saltwater	
Concentration	0,001	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,46	mg/kg
Type of value	PNEC	
Type of value Type	Soil	
Concentration	0,91	mg/kg
Type of value	PNEC	

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

Trade name: FotoTec SL.A transp	parent	
Substance number: S0023	Version: 2 / GB	Date revised: 26.08.2024
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Type Concentration	Sewage treatment plant (STP) 3,61	mg/l
Type of value Type Concentration	PNEC Water (intermittent release) 0,1	mg/l

# 8.2. Exposure controls

#### General protective and hygiene measures

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

#### **Respiratory protection**

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

#### Hand protection

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

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

Gloves should be replaced regularly and if there is any sign of damage to the glove material. Hand protection must comply with EN 374. Appropriate Material nitrile

# Eye protection

Safety glasses

#### **Body protection**

Clothing as usual in the chemical industry.

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state	liquid	•		
Colour	Various, depending on coloration			
Odour	chara	cteristic		
Melting point				
Remarks	not de	etermined		
Freezing point				
Remarks	not de	etermined		
Boiling point or initial	boiling point	and boiling rang	je	
Value	>	114	°C	
Flammability				
evaluation	not de	etermined		
Upper and lower explo	osive limits			
Remarks	not de	etermined		
Flash point				
Value	>	100	°C	

rada nama: EstaTas SLA transport	×+			
rade name: FotoTec SL.A transparer				Data reviewski og 00.000
Substance number: S0023	Version: 2		Date revised: 26.08.20	
	Replaces	Version: 1 / GB		Print date: 26.08.20
Method	closed cup			
Auto-ignition temperature				
Remarks	not determined			
Decomposition temperature				
Remarks	not determined			
pH value				
Remarks	not determined			
Viscosity				
Remarks	not determined			
Solubility(ies)				
Remarks	not determined			
Partition coefficient n-octan	ol/water (log valu	e)		
Remarks	not determined	- /		
Vapour pressure				
Remarks	not determined			
Density and/or relative dens	ity			
Value	1,12		g/cm <sup>3</sup>	
Temperature	20	°C	0	
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

rade name: FotoTec SL.A tran	sparent	
ubstance number: S0023	Version: 2 / GB	Date revised: 26.08.202
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Protect from heat and d	lirect sunlight	
10.5. Incompatible mater None known	ials	
I0.6. Hazardous decomp	osition products	
Irritant gases/vapours		
SE	ECTION 11: Toxicological inform	nation
11.1. Information on haza	ard classes as defined in Regulation	(EC) No 1272/2008
Acute oral toxicity		
Remarks	Based on available data, the classification	on criteria are not met.
Acute oral toxicity (Co	mponents)	
Diphenyl(2,4,6-trimethy	lbenzoyl)phosphine oxide	
Species	rat	
LD50		ng/kg
Method	OECD 401	
Tetramethylene dimetha	acrylate	
Species	rat	
LD50		ng/kg
Method	OECD 401	
7,7,9(7,9,9)-trimethyl-4,1	3-dioxo-3,14-dioxa-5,12-diazahexadecane-1	,16-diylbismethacrylate
Species	rat	
LD50		ng/kg
Method	OECD 401	
Acute dermal toxicity		
Remarks	Based on available data, the classification	on criteria are not met.
Acute dermal toxicity (	Components)	
	· · ·	
Species	lbenzoyl)phosphine oxide rat	
LD50		ng/kg
Method	OECD 402	19,119
7.7.9(7.9.9)-trimethyl-4.1	3-dioxo-3,14-dioxa-5,12-diazahexadecane-1	.16-divlbismethacrylate
Species	rat	,,
LD50	> 2000 m	ng/kg
Method	OECD 402	
Tetramethylene dimetha	acrylate	
Species	rat (female)	
LD50		ng/kg
Method	OECD 402	
Acute inhalational toxi	city	
Remarks	Based on available data, the classification	on criteria are not met.
Skin corrosion/irritatio	n	
Remarks	Based on available data, the classification	on criteria are not met.
Serious eye damage/ir		
Remarks	Based on available data, the classification	on criteria are not met
Sensitization		

Trade name: FotoTec SL.A trans	sparent	
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Remarks	The classification criteria are met.	
Sensitization (Compon		
	benzoyl)phosphine oxide	
Route of exposure	dermal	
Species	mouse	
evaluation	May cause sensitization by skin contact.	
Tetramethylene dimetha	· · · · ·	
Route of exposure Species	dermal mouse	
evaluation	sensitizing	
Method	OECD 429	
7,7,9(7,9,9)-trimethyl-4,1	3-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-	diylbismethacrylate
Route of exposure	dermal	
Species	mouse	
evaluation	sensitizing	
Subacute, subchronic,	-	
Remarks	not determined	
Mutagenicity		
Remarks	Based on available data, the classification c	riteria are not met.
Reproductive toxicity		
Remarks	Based on available data, the classification c	riteria are not met.
Reproduction toxicity (	Components)	
Diphenyl(2,4,6-trimethyl evaluation	benzoyl)phosphine oxide Suspected of damaging fertility.	
Carcinogenicity		
Remarks	Based on available data, the classification c	riteria are not met.
Specific Target Organ	Toxicity (STOT)	
<b>Single exposure</b> Remarks	Based on available data, the classification c	ritoria aro not mot
Repeated exposure Remarks	Based on available data, the classification c	riteria are not met.
Aspiration hazard		
-	, the classification criteria are not met.	
11.2. Information on othe		
	roperties with respect to humans	
The product does not co humans.	ontain a substance that has endocrine disrupting p	roperties with respect to
Experience in practice Inhalation may lead to ir	ritation of the respiratory tract.	
Other information		
No toxicological data are	e available.	
c	ECTION 12: Ecological information	

rade name: FotoTec SL.A transp	parent				
ubstance number: S0023	Versi	on: 2 / GB		Date revised: 26.08.202	
	Repla	aces Version: 1 / GB		Print date: 26.08.20	
General information not determined					
Fish toxicity (Componer	nts)				
Diphenyl(2,4,6-trimethylb		oxide			
Species	carp (Cyprinus				
LC50	1,4	. ,	mg/l		
Duration of exposure	96	h			
Method	OECD 203				
Tetramethylene dimethac Species	zebra fish (Bra	chydania reria)			
LC50	3,34	chydanio renoj	mg/l		
Duration of exposure	96	h	iiig/i		
Method	OECD 203				
7,7,9(7,9,9)-trimethyl-4,13			ane-1,16-diyl	bismethacrylate	
Species	zebra fish (Bra	chydanio rerio)	"		
LC50	10,1 96	h	mg/l		
Duration of exposure Method	96 OECD 203	h			
Daphnia toxicity (Compo					
	-				
Diphenyl(2,4,6-trimethylb					
Species EC50	Daphnia magna 3,53	4	mg/l		
Duration of exposure	48	h	mg/i		
Method	OECD 202				
Tetramethylene dimethac	rylate				
Species	Daphnia magna	а			
NOEC	5,09	_	mg/l		
Duration of exposure	21	d			
Method	OECD 211				
7,7,9(7,9,9)-trimethyl-4,13			ane-1,16-dıyl	bismethacrylate	
Species EC50	Daphnia magna 1,2	đ	mg/l		
Duration of exposure	48	h	iiig/i		
Method	OECD 202				
Algae toxicity (Compone	ents)				
Diphenyl(2,4,6-trimethylb	enzovl)phosphine	oxide			
Species		riella subcapitata			
EC50	> 2,01		mg/l		
Duration of exposure	72	h			
Method	OECD 201				
Tetramethylene dimethac					
Species EC50	Scenedesmus 9,79	subspicatus	mg/l		
Duration of exposure	5,75 72	h	mg/i		
Method	OECD 201				
7,7,9(7,9,9)-trimethyl-4,13	-dioxo-3,14-dioxa-{	5,12-diazahexadeca	ane-1,16-divl	bismethacrylate	
Species	Scenedesmus			•	
EC50	> 0,68		mg/l		
Duration of exposure	72	h			
Method	OECD 201				

rade name: FotoTec SL.A transp	arent					
Substance number: S0023		Version:	2 / GR			Date revised: 26.08.20
	Replaces Version 27				3	Print date: 26.08.20
		ropiaco			-	
Diphenyl(2,4,6-trimethylbe	enzoyl)phosp	ohine oxi	de			
Species	activated	sludge				
EC50		000			mg/l	
Duration of exposure	3		h			
	OECD 20	)9				
Tetramethylene dimethac Species	activated	sludao				
NOEC		:0			mg/l	
Duration of exposure		8	d		ing/i	
7,7,9(7,9,9)-trimethyl-4,13-		-	2-diaza	hexadec	ane-1.16-div	Ibismethacrylate
Species	activated	•				······································
NOEC		6,1			mg/l	
Duration of exposure	1	4	d		-	
12.2. Persistence and degr	adabilitv					
General information	<b>,</b>					
not determined						
Biodegradability (Compo	nonte)					
	-					
Diphenyl(2,4,6-trimethylbe				10	0/	
Value Duration of test	< 0	8	to d	10	%	
evaluation	∠ not readil	-	ŭ			
		y uegrau	abie			
Tetramethylene dimethac		4			%	
Duration of test		8	d		70	
evaluation		-	<b>.</b>	ccording	to OECD crite	eria)
7,7,9(7,9,9)-trimethyl-4,13-		-	•	-		,
Value		2			%	······
Duration of test		8	d			
evaluation	not readil	y degrad	able			
12.3. Bioaccumulative pote	ential					
General information						
not determined						
	1	(1				
Partition coefficient n-oc			-			
Remarks		etermined				
Octanol/water partition of	oefficient (l	og Pow	) (Con	ponent	s)	
Diphenyl(2,4,6-trimethylbe	enzoyl)phosp	ohine oxi	de			
log Pow		3,1	-			
Temperature		23	°C			
Tetramethylene dimethac	rylate					
log Pow		3,1				
Temperature		20	°C			
7,7,9(7,9,9)-trimethyl-4,13-	dioxo-3,14-d		2-diaza	hexadec	ane-1,16-diy	Ibismethacrylate
log Pow Temperature		3,39 20	°C			
•			-			
Bioconcentration factor	. , .	-	•			
Diphenyl(2,4,6-trimethylbe	enzoyl)phosp					
BCF		47	to	55		
Concentration	0,1	mg/l	10	00		

Trade name: FotoTec SL.A trans	parent	
Substance number: S0023	Version: 2 / GB	Date revised: 26.08.2024
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Medium Species	Freshwater 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 vPv The product contains no The product contains no	PBT substances	
12.6 Endocrine disrupting	properties	
	<b>roperties with respect to the envrionment</b> ntain a substance that has endocrine disrupting p	roperties with respect to non-
12.7. Other adverse effect	S	
General information		
not determined		
General information / ec		
Do not allow to enter soi	l, waterways or waste water canal. Avoid release	into the atmosphere.
SE	CTION 13: Disposal consideratio	ns
13.1. Waste treatment me	thods	
Disposal recommendati		
Must not be disposed to	gether with household garbage.	
•	ing to applicable legislation.	
Disposal recommendat	ons for nackaging	

# **SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-
	SECTION 15: Reg	ulatory information	l
or mixture Other information All components ar 5.2. Chemical safety	e contained in the TSCA inve / assessment	ntory or exempted.	
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Date revised: 26.08.2024

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# Substance number: S0023

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

Version: 2 / GB

Substance number: S0023

Version: 2 / GB Replaces Version: 1 / GB Date revised: 26.08.2024 Print date: 26.08.2024

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