



Trade name: SoftTouch Lack

Substance number: F9610

Version: 2 / GB

Date revised: 30.09.2024

Replaces Version: 1 / GB

Print date: 30.09.2024

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

### 1.1. Product identifier

SoftTouch Lack

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

#### Use of the substance/preparation

Light-curing lacquer for 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)

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1A	H317
Repr. 2	H361d
STOT SE 3	H335
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

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**Signal word**

Danger

**Hazard statements**

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H361d	Suspected of damaging the unborn child.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/ attention.

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

contains	Methyl methacrylate monomer, stabilized; 2-phenoxyethyl methacrylate; 3,3,5-Trimethylcyclohexyl acrylate; Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane; Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
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**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 \*\*\*****Methyl methacrylate monomer, stabilized**

CAS No.	80-62-6
EINECS no.	201-297-1
Registration no.	01-2119452498-28
Concentration	>= 25 < 50 %
Classification (Regulation (EC) No. 1272/2008)	
	Flam. Liq. 2 H225
	Skin Irrit. 2 H315
	Skin Sens. 1 H317
	STOT SE 3 H335



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Additional remarks:

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

**2-phenoxyethyl methacrylate**

CAS No. 10595-06-9

EINECS no. 234-201-1

Registration no. 01-2120752383-55

Concentration &gt;= 10 &lt; 25 %

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

Skin Sens. 1A H317

Aquatic Chronic 2 H411

Repr. 2 H361d

**3,3,5-Trimethylcyclohexyl acrylate**

CAS No. 86178-38-3

EINECS no. 289-200-9

Registration no. 01-2120747316-53

Concentration &gt;= 2,5 &lt; 10 %

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

Skin Irrit. 2 H315

Skin Sens. 1B H317

Eye Irrit. 2 H319

STOT SE 3 H335

Aquatic Acute 1 H400

Aquatic Chronic 2 H411

ATE oral 2.000 mg/kg

ATE dermal 2.000 mg/kg

**Acrylic Resin**

Concentration &gt;= 1 &lt; 10 %

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

Skin Irrit. 2 H315

Eye Irrit. 2 H319

**Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

CAS No. 264888-31-5

EINECS no. 677-640-8

Registration no. 01-2120765195-49

Concentration &gt;= 1 &lt; 10 %

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

Skin Sens. 1B H317

Aquatic Chronic 3 H412

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

CAS No. 162881-26-7

EINECS no. 423-340-5

Registration no. 01-2119489401-38

Concentration &gt;= 0,1 &lt; 1 %

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

Skin Sens. 1A H317

Aquatic Chronic 4 H413

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## 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

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.

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## 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

#### Exposure limit values



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**Methyl methacrylate monomer, stabilized**

Value		50	ppm(V)
Short term exposure limit		100	ppm(V)

**Methyl methacrylate monomer, stabilized**

Value	208	mg/m <sup>3</sup>	50	ppm(V)
Short term exposure limit	416	mg/m <sup>3</sup>	100	ppm(V)

**Other information**

Contains no substances with occupational exposure limit values.

**Derived No/Minimal Effect Levels (DNEL/DMEL)**

**Methyl methacrylate monomer, stabilized**

Reference substance	Methyl methacrylate monomer, stabilized		
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	348,4		mg/m <sup>3</sup>

Type of value	Methyl methacrylate monomer, stabilized		
	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Long term		
Route of exposure	inhalative		
Mode of action	Local effects		
Concentration	208		mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Lifetime		
Route of exposure	inhalative		
Concentration	416		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	13,67		mg/kg

Type of value	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Long term		
Route of exposure	dermal		
Mode of action	Local effects		
Concentration	1,5		mg/cm <sup>2</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	74,3		mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)		
Reference group	Consumer		



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Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 104 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Concentration 208 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 8,2 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 Local effects  
 Concentration 1,5 mg/cm<sup>2</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 8,2 mg/kg/d

**Predicted No Effect Concentration (PNEC)**

**Methyl methacrylate monomer, stabilized**

Reference substance Methyl methacrylate monomer, stabilized  
 Type of value PNEC  
 Type Freshwater  
 Concentration 0,94 mg/l

Type of value PNEC  
 Type Saltwater  
 Concentration 0,094 mg/l

Type of value PNEC  
 Type Soil  
 Concentration 1,48 mg/kg

Type of value PNEC  
 Type Freshwater sediment  
 Concentration 10,2 mg/kg

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

Type of value PNEC



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Type	Man via the environment	
Concentration	8,2	mg/kg/d
Type of value	PNEC	
Type	Marine sediment	
Concentration	1,2	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 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
<b>Colour</b>	clear, transparent
<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	101 °C
<b>Flammability</b>	
evaluation	Not applicable
<b>Upper and lower explosive limits</b>	
Lower explosion limit	2,1 to 0 %(V)
Upper explosion limit	12,5 %(V)
<b>Flash point</b>	





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Value	10	°C
Method	closed cup	

**Auto-ignition temperature**

Value	430	°C
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**Decomposition temperature**

Remarks	not determined	
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**Self Accelerating Decomposition / Polymerization Temperature (SADT/SAPT)**

Value	> 50	°C
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**pH value**

Remarks	not determined	
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**Viscosity****dynamic**

Value	160	mPa.s
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**Solubility(ies)**

Remarks	not determined	
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**Partition coefficient n-octanol/water (log value)**

Remarks	not determined	
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**Vapour pressure**

Value	47	hPa
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**Density and/or relative density**

Value	1,04	g/cm <sup>3</sup>
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**Relative vapour density**

Remarks	not determined	
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**9.2. Other information****Odour threshold**

Remarks	not determined	
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**Evaporation rate**

Remarks	not determined	
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**Evaporation rate (ether = 1) :**

Remarks	not determined	
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**Solubility in water**

Remarks	virtually insoluble	
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**Explosive properties**

evaluation	not determined	
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**Oxidising properties**

Remarks	not determined	
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**Solvent content**

Value	0,0	%
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**Other information**

None known		
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

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No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Protect from heat and direct sunlight

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

Irritant gases/vapours

## SECTION 11: Toxicological information

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

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

**Acute oral toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	rat		
LD50	appr.	7900	mg/kg

**2-phenoxyethyl methacrylate**

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		
Remarks	Test conducted with a similar formulation.		

**3,3,5-Trimethylcyclohexyl acrylate**

Species	rat		
LD0		2000	mg/kg
Method	EPA		

**Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

Species	rat		
LD50	>	2000	mg/kg

**Acrylic Resin**

LD50	>	2000	mg/kg
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**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 401		

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	rabbit		
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LD50	>	5000	mg/kg
Method		OECD 402	

**2-phenoxyethyl methacrylate**

Species		rat	
LD50	>	2000	mg/kg
Method		92/69/EEC, B.3	
Remarks		Test conducted with a similar formulation.	

**3,3,5-Trimethylcyclohexyl acrylate**

Species		rat	
LD0		2000	mg/kg
Method		OECD 402	

**Acrylic Resin**

LD50	>	2000	mg/kg
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**Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide**

Species		rat	
LD50	>	2000	mg/kg
Method		OECD 402	

**Acute inhalational toxicity**

Remarks	Based on available data, the classification criteria are not met.
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**Acute inhalative toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species		rat	
LC50		29,8	mg/l
Duration of exposure		4	h
Administration/Form		Vapors	

**Acrylic Resin**

LC50	>	5	mg/l
Duration of exposure		4	h
Administration/Form		Dust/Mist	

**Skin corrosion/irritation**

evaluation	irritant
Remarks	The classification criteria are met.

**Skin corrosion/irritation (Components)****Methyl methacrylate monomer, stabilized**

Species	Human
evaluation	irritant

**2-phenoxyethyl methacrylate**

Species	rabbit
evaluation	slight irritant effect - does not require labelling
Remarks	Test conducted with a similar formulation.

**Acrylic Resin**

evaluation	irritant
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**Serious eye damage/irritation**

evaluation	irritant
Remarks	The classification criteria are met.

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

Species	rabbit
evaluation	slight irritant effect - does not require labelling
Remarks	Test conducted with a similar formulation.

**Acrylic Resin**



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evaluation irritant

**Sensitization**

evaluation  
Remarks

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

**Sensitization (Components)****Methyl methacrylate monomer, stabilized**

Route of exposure dermal  
Species mouse  
evaluation sensitizing  
Method OECD 429

**2-phenoxyethyl methacrylate**

Route of exposure dermal  
Species guinea pig  
evaluation sensitizing  
Method OECD 406  
Remarks Test conducted with a similar formulation.

**3,3,5-Trimethylcyclohexyl acrylate**

Route of exposure dermal  
Species mouse  
evaluation sensitizing

**Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

Route of exposure dermal  
Species mouse  
evaluation sensitizing  
Method OECD 429

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

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.

**Reproductive toxicity**

evaluation Suspected of damaging the unborn child.  
Remarks The classification criteria are met.

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)****Single exposure**

Remarks The classification criteria are met.  
evaluation May cause respiratory irritation.

**Repeated exposure**

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

**Specific Target Organ Toxicity (STOT) (Components)****Methyl methacrylate monomer, stabilized**

**Single exposure**  
evaluation May cause respiratory irritation.  
Route of exposure inhalative

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**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)****Methyl methacrylate monomer, stabilized**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
LC50	85		mg/l
Duration of exposure	96	h	

**Methyl methacrylate monomer, stabilized**

Species	zebra fish ( <i>Brachydanio rerio</i> )		
NOEC	9,4		mg/l
Duration of exposure	35	d	
Method	OECD 210		

**2-phenoxyethyl methacrylate**

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

**3,3,5-Trimethylcyclohexyl acrylate**

Species	zebra fish ( <i>Brachydanio rerio</i> )		
LC50	1,9		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

Species	zebra fish ( <i>Brachydanio rerio</i> )		
LL0	>= 100		mg/l
Duration of exposure	96	h	
Method	Regulation (EC) No. 440/2008, Annex, C.1		

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

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

**Daphnia toxicity (Components)****Methyl methacrylate monomer, stabilized**



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Species	Daphnia magna		
EC50	69		mg/l
Duration of exposure	48	h	

**Methyl methacrylate monomer, stabilized**

Species	Daphnia magna		
NOEC	37		mg/l
Duration of exposure	21	d	
Method	OECD 211		

**2-phenoxyethyl methacrylate**

Species	Daphnia magna		
EC50	1,21		mg/l
Duration of exposure	48	h	
Method	OECD 202		
Remarks	Test conducted with a similar formulation.		

**2-phenoxyethyl methacrylate**

Species	Daphnia magna		
NOEC	1		mg/l
Duration of exposure	21	d	
Remarks	Test conducted with a similar formulation.		

**3,3,5-Trimethylcyclohexyl acrylate**

Species	Daphnia magna		
EC50	14,43		mg/l
Duration of exposure	48	h	
Method	OECD 202		

**Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

Species	Daphnia magna		
EL50	appr. 58		mg/l
Duration of exposure	48	h	
Method	Regulation (EC) No. 440/2008, Annex, C.2		

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

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

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

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

**Algae toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	Pseudokirchneriella subcapitata		
EC50	> 110		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**2-phenoxyethyl methacrylate**

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

**3,3,5-Trimethylcyclohexyl acrylate**

Species	Pseudokirchneriella subcapitata		
EC50	0,59		mg/l
Duration of exposure	72	h	

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Method OECD 201

**Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

Species Scenedesmus subspicatus  
 EL50 > 100 mg/l  
 Duration of exposure 72 h  
 Method Regulation (EC) No. 440/2008, Annex, C.3

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

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

**Bacteria toxicity (Components)****2-phenoxyethyl methacrylate**

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

**3,3,5-Trimethylcyclohexyl acrylate**

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

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

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

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

not determined

**Biodegradability (Components)****2-phenoxyethyl methacrylate**

evaluation biodegradable

**3,3,5-Trimethylcyclohexyl acrylate**

Value 16,8 %  
 Duration of test 28 d  
 evaluation not readily degradable

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

Value 1 %  
 Duration of test 28 d  
 evaluation not degradable

**Methyl methacrylate monomer, stabilized**

Value 94 %  
 Duration of test 14 d  
 evaluation Readily biodegradable (according to OECD criteria)  
 Method OECD 301 C

**Ready degradability (Components)****Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

Value 5 %  
 Duration of test 28 d

**12.3. Bioaccumulative potential**



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**General information**

not determined

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

Remarks not determined

**Octanol/water partition coefficient (log Pow) (Components)****Methyl methacrylate monomer, stabilized**

log Pow	1,38	
Temperature	20	°C
Method	OECD 107	

**2-phenoxyethyl methacrylate**

log Pow 3,14

**3,3,5-Trimethylcyclohexyl acrylate**

log Pow 4,6

**Acrylic acid, 2-hydroxyethyl ester, polymer with 1,6-diisocyanatohexane**

log Pow	2,8	to	4,9
Temperature	25	°C	

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

log Pow 5,8

**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**



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Packaging that cannot be cleaned should be disposed off as product waste.

## SECTION 14: Transport information \*\*\*

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
<b>14.1. UN number or ID number</b>	1247	1247	1247
<b>14.2. UN proper shipping name</b>	METHYL METHACRYLATE MONOMER, STABILIZED, Solution	METHYL METHACRYLATE MONOMER, STABILIZED, Solution	METHYL METHACRYLATE MONOMER, STABILIZED, Solution
<b>14.3. Transport hazard class(es)</b>	3	3	3
Label			
<b>14.4. Packing group</b>	II	II	II
Limited Quantity	1 I	1 I	
Transport category	2		
<b>14.5. Environmental hazards</b>	  ENVIRONMENTALLY HAZARDOUS	Marine Pollutant    ENVIRONMENTALLY HAZARDOUS	  ENVIRONMENTALLY HAZARDOUS
Tunnel restriction code	D/E		

## SECTION 15: Regulatory information

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

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

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

Flam. Liq. 2

H225

On basis of test data



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Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1A	H317	Calculation method
Repr. 2	H361d	Calculation method
STOT SE 3	H335	Calculation method
Aquatic Chronic 2	H411	Calculation method

**Hazard statements listed in Chapter 2/3**

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A
Skin Sens. 1B	Skin sensitization, Category 1B
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.