

Trade name: VarioScreen

Substance number: 71335

Version: 1 / GB

Date revised: 11.07.2023

Replaces Version: - / GB

Print date: 11.07.2023

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

1.1. Product identifier

VarioScreen

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

59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

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

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

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

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.
 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.
 P273 Avoid release to the environment.
 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.

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

contains Methyl methacrylate monomer, stabilized; (5-ethyl-1,3-dioxan-5-yl)methyl acrylate; 3,3,5-Trimethylcyclohexyl acrylate; Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide; Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'.-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

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

Additional remarks:

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

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

CAS No. 66492-51-1

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EINECS no. 266-380-7
 Registration no. 01-2119976303-36
 Concentration \geq 10 < 25 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Skin Sens. 1 H317
 Aquatic Chronic 2 H411

Acrylic Resin

Concentration \geq 10 < 25 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Eye Irrit. 2 H319

3,3,5-Trimethylcyclohexyl acrylate

CAS No. 86178-38-3
 EINECS no. 289-200-9
 Registration no. 01-2120747316-53
 Concentration \geq 2,5 < 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

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

CAS No. 162881-26-7
 EINECS no. 423-340-5
 Registration no. 01-2119489401-38
 Concentration \geq 0,1 < 1 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Sens. 1A H317
 Aquatic Chronic 4 H413

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

CAS No. 84170-74-1
 EINECS no. 617-546-6
 Registration no. 01-2119970213-43
 Concentration \geq 0,1 < 1 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Sens. 1B H317
 Aquatic Chronic 2 H411

SECTION 4: First aid measures

4.1. Description of first aid measures



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General information

Remove contaminated clothing immediately and dispose of safely. In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.

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

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep away sources of ignition. Ensure adequate ventilation. Use personal protective clothing. Avoid contact with skin, eyes and clothing.



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6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

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. 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). Provide suitable exhaust ventilation at processing machines. Avoid formation of aerosols. Avoid impact, friction and electro-static loading; risk of ignition!. Use explosion-proof apparatus and fittings. 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

Store product in closed containers.

Hints on storage assembly

Do not store with strong oxidizing agents.

Further information on storage conditions

Keep container tightly closed. Keep container in a well-ventilated place. Keep in a cool place

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Methyl methacrylate monomer, stabilized

List	TRGS 900			
Type	AGW			
Value	210	mg/m ³	50	ppm(V)

Maximum limit value: 2(l) Pregnancy group: Y; Status: Jan 2006; Remarks: DFG

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)



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Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	208	mg/m ³
Type of value	Methyl methacrylate monomer, stabilized	
	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	13,7	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Concentration	416	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,0015	mg/cm ²
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/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	8,2	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	inhalative	
Concentration	208	mg/m ³
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	74,3	mg/m ³

Predicted No Effect Concentration (PNEC)**Methyl methacrylate monomer, stabilized**



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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	
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. Do not inhale gases/vapours/aerosols. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

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.

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

Tightly fitting 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



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Colour	clear, transparent		
Odour	characteristic		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Boiling point or initial boiling point and boiling range			
Value	> 100		°C
Flammability			
evaluation	not determined		
Upper and lower explosive limits			
Remarks	not determined		
Flash point			
Value	10		°C
Method	closed cup		
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-octanol/water (log value)			
Remarks	not determined		
Vapour pressure			
Remarks	not determined		
Density and/or relative density			
Value	1,04		g/cm ³
Temperature	20	°C	
Relative vapour density			
Remarks	not determined		
9.2. Other information			
Odour threshold			
Remarks	not determined		
Evaporation rate (ether = 1) :			
Remarks	not determined		
Solubility in water			
Remarks	virtually insoluble		
Explosive properties			
evaluation	not determined		
Oxidising properties			
Remarks	not determined		



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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

No hazardous reactions known. Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.5. Incompatible materials

None known

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 (Regulation (EC) No. 1272/2008)		

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

Species	rat		
LD50	appr.	7900	mg/kg

Poly[oxy(methyl-1,2-ethanediyl)], alpha., alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

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

Species	rat		
LD50	>	2000	mg/kg

3,3,5-Trimethylcyclohexyl acrylate

Species	rat		
LD0		2000	mg/kg
Method	EPA		

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		



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Acute dermal toxicity

ATE	>	10.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

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

Species	rabbit		
LD50	>	5000	mg/kg
Method	OECD 402		

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

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

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

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		

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	rat		
LC50	>	2	mg/l
Duration of exposure		4	h
Method	OECD 403		

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		
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evaluation	irritant
(5-ethyl-1,3-dioxan-5-yl)methyl acrylate	
Species	rabbit
Duration of exposure	4 h
evaluation	irritant
Method	OECD 404

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)**Acrylic Resin**

evaluation	irritant
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Sensitization

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

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

Route of exposure	dermal
Species	mouse
evaluation	sensitizing
Method	OECD 429

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	mouse
evaluation	sensitizing
Method	OECD 429

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

Route of exposure	dermal
Species	mouse
evaluation	sensitizing

3,3,5-Trimethylcyclohexyl acrylate

Route of exposure	dermal
Species	mouse
evaluation	sensitizing

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
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Mutagenicity

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

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

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT)



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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

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.

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	>	79	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		

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'.-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	zebra fish (<i>Brachydanio rerio</i>)		
LC50		2,7	mg/l
Duration of exposure	96	h	
Method	OECD 203		

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

LC50		4	mg/l
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		



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

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

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

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		

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	Daphnia magna		
EC50		37	mg/l
Duration of exposure		48	h
Method	OECD 202		

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

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

3,3,5-Trimethylcyclohexyl acrylate

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

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		

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	Pseudokirchneriella subcapitata		
EC50		11	mg/l
Duration of exposure		72	h
Method	OECD 201		

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



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

3,3,5-Trimethylcyclohexyl acrylate

Species	Pseudokirchneriella subcapitata		
EC50	0,59		mg/l
Duration of exposure	72	h	
Method	OECD 201		

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)**Methyl methacrylate monomer, stabilized**

Species	activated sludge		
NOEC	> 100		mg/l
Duration of exposure	14	d	

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Species	activated sludge		
NOEC	1		mg/l
Duration of exposure	28	Days	

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

Species	activated sludge		
EC10	300		mg/l
Method	OECD 209		

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

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

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

Value	1		%
Duration of test evaluation	28	d	
	not degradable		

Ready degradability (Components)**Methyl methacrylate monomer, stabilized**



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Value	94		%
Duration of test	14	d	

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

Value	41		%
Duration of test	28	d	

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

Value	28		%
Duration of test	28	d	

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)**Methyl methacrylate monomer, stabilized**

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

Poly[oxy(methyl-1,2-ethanediyl)],.alpha.,.alpha'-(2,2-dimethyl-1,3-propanediyl)bis[.omega.-[(1-oxo-2-propenyl)oxy]-

log Pow	1	to	4,86
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3,3,5-Trimethylcyclohexyl acrylate

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

log Pow	5,8		
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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.

Trade name: VarioScreen

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Version: 1 / GB

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Must not be disposed together with household garbage.

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	1993	1993	1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Methyl methacrylate monomer, stabilized, 3,3,5-Trimethylcyclohexyl acrylate)	FLAMMABLE LIQUID, N.O.S. (Methyl methacrylate monomer, stabilized, 3,3,5-Trimethylcyclohexyl acrylate)	FLAMMABLE LIQUID, N.O.S. (Methyl methacrylate monomer, stabilized, 3,3,5-Trimethylcyclohexyl acrylate)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Special provision	640D		
Limited Quantity	1 I	1 I	
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS
Tunnel restriction code	D/E		



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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
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1A	H317	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.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

CLP categories listed in Chapter 2/3

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
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
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.