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

1.1. Product identifier

BioTec

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
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 for this SDS	sicherheitsdatenblatt@dreve.de

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
STOT SE 3	H335
STOT RE 2	H373
Aquatic Chronic 2	H411

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

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Warning

Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P260	Do not breathe 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.
P501.1	Dispose of contents/container to industrial incineration plant.

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

contains 3,3,5-Trimethylcyclohexyl acrylate; 2-ethylhexyl acrylate; Dimethylethylcyclohexyl acrylate; Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

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

3,3,5-Trimethylcyclohexyl acrylate

CAS No.	86178-38-3			
EINECS no.	289-200-9			
Registration no.	01-2120747316-53			
Concentration	>= 20	< 25	%	
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	

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

CAS No.	68909-20-6
EINECS no.	272-697-1

Registration no. 01-2119379499-16
Concentration >= 10 < 25 %
Classification (Regulation (EC) No. 1272/2008)
STOT RE 2 H373

Name of set of nanoform Nanoagglomerate
Particle size distribution d50 2,5-50 nm
Method Transmission Electron Microscopy (TEM)
Shape and aspect ratio of particles Spheroidal

Dimethylethylcyclohexyl acrylate
CAS No. 84100-23-2
EINECS no. 282-104-8
Registration no. 01-2120735441-62
Concentration >= 2,5 < 10 %
Classification (Regulation (EC) No. 1272/2008)
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335
Aquatic Chronic 2 H411

2-ethylhexyl acrylate
CAS No. 103-11-7
EINECS no. 203-080-7
Registration no. 01-2119453158-37
Concentration >= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)
Aquatic Chronic 3 H412
Skin Irrit. 2 H315
Skin Sens. 1 H317
STOT SE 3 H335

ATE inhalative, Dust/Mist 1,19 mg/l
Additional remarks:
CLP Regulation (EC) No 1272/2008, Annex VI, Note D

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
CAS No. 75980-60-8
EINECS no. 278-355-8
Registration no. 01-2119972295-29
Concentration >= 1 < 3 %
Classification (Regulation (EC) No. 1272/2008)
Repr. 2 H361f

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. Adhere to personal protective

measures when giving first aid

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, 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. 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

8.1. Control parameters

Exposure limit values

2-ethylhexyl acrylate

List	TRGS 900			
Value	38	mg/m³	5	ppm(V)

Maximum limit value: 1(I); Skin resorption / sensibilisation: Sh; Pregnancy group: Y; Status: 07/13; Remarks: DFG

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

2-ethylhexyl acrylate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
Mode of action	Acute effects	
Concentration	0,242	mg/cm²

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	37,5	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	37,5	mg/m³

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

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,233	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,145	mg/m³

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

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

Predicted No Effect Concentration (PNEC)

2-ethylhexyl acrylate

Type of value	PNEC	
Type	Freshwater	
Concentration	0,00272	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,126	mg/kg
Type of value	PNEC	
Type	Saltwater	
Concentration	0,00027	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,011	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	1	mg/kg

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

Type of value	PNEC	
Type	Saltwater	
Concentration	0,00014	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,115	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,0115	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,0222	mg/kg

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	Viscous		
Colour	colourless		
Odour	characteristic		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Boiling point or initial boiling point and boiling range			
Value	229		°C
Flammability			
evaluation	not determined		
Upper and lower explosive limits			
Remarks	not determined		
Flash point			
Value	82		°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	1,13		g/cm³
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

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Protect from heat and direct sunlight

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE		8.770,00	mg/kg
		66	
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)

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

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

Dimethylethylcyclohexyl acrylate

Species	rat		
LD50	appr.	5000	mg/kg

3,3,5-Trimethylcyclohexyl acrylate

Species	rat		
LD0		2000	mg/kg
Method	EPA		

2-ethylhexyl acrylate

Species	rat		
LD50	appr.	4435	mg/kg
Method	OECD 401		

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

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

Acute dermal toxicity

ATE		8.770,00 66	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute dermal toxicity (Components)

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

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

Dimethylethylcyclohexyl acrylate

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

3,3,5-Trimethylcyclohexyl acrylate

Species	rat		
LD0		2000	mg/kg
Method	OECD 402		

2-ethylhexyl acrylate

Species	rabbit		
LD50		7522	mg/kg

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	rabbit		
LD50	>	5000	mg/kg
Source	Analogous		

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)

2-ethylhexyl acrylate

Species	rat			
LC0	>	1,19		mg/l
Duration of exposure		8	h	
Administration/Form	Dust/Mist			
Method	OECD 403			

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	rat			
LC50	>	5,01		mg/l
Duration of exposure		4	h	
Administration/Form	Dust/Mist			
Source	Analogous			

Skin corrosion/irritation

evaluation	irritant
Remarks	The classification criteria are met.

Skin corrosion/irritation (Components)

Dimethylethylcyclohexyl acrylate

Species	rabbit
evaluation	slightly irritant

2-ethylhexyl acrylate

Species	rabbit
evaluation	irritant

Serious eye damage/irritation

evaluation	irritant
Remarks	The classification criteria are met.

Sensitization

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

Sensitization (Components)

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

Route of exposure	dermal
Species	mouse
evaluation	May cause sensitization by skin contact.

Dimethylethylcyclohexyl acrylate

evaluation	sensitizing
Method	OECD 429

3,3,5-Trimethylcyclohexyl acrylate

Route of exposure	dermal
Species	mouse
evaluation	sensitizing

2-ethylhexyl acrylate

Route of exposure	dermal
Species	mouse
evaluation	sensitizing
Method	OECD 429

Subacute, subchronic, chronic toxicity

Remarks	not determined

Mutagenicity

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

Reproductive toxicity

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

Reproduction toxicity (Components)

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

evaluation	Suspected of damaging fertility.

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

Remarks	The classification criteria are met.

evaluation: May cause damage to organs through prolonged or repeated exposure

Specific Target Organ Toxicity (STOT) (Components)

Dimethylethylcyclohexyl acrylate

evaluation: May cause respiratory irritation.

2-ethylhexyl acrylate

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.

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

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

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

Dimethylethylcyclohexyl acrylate

Species	zebra fish (Brachydanio rerio)		
LC50	> 1,27		mg/l
Duration of exposure	96	h	
Method	OECD 203		

3,3,5-Trimethylcyclohexyl acrylate

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

2-ethylhexyl acrylate

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	1,81		mg/l
Duration of exposure	96	h	
Source	ECHA		

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	zebra fish (Brachydanio rerio)		
LC50	> 10000		mg/l

Duration of exposure	96	h	
Source	Analogous		

Daphnia toxicity (Components)

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

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

Dimethylethylcyclohexyl acrylate

Species	Daphnia magna		
EC50	1,03		mg/l
Method	OECD 202		

3,3,5-Trimethylcyclohexyl acrylate

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

2-ethylhexyl acrylate

Species	Daphnia magna		
EC50	1,3		mg/l
Duration of exposure	48	h	
Method	OECD 202		
Source	ECHA		

2-ethylhexyl acrylate

Species	Daphnia magna		
EC10	0,91		mg/l
Duration of exposure	21	d	
Method	OECD 211		
Source	ECHA		

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	Daphnia magna		
EC50	> 1000		mg/l
Duration of exposure	48	h	
Source	Analogous		

Algae toxicity (Components)

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

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

Dimethylethylcyclohexyl acrylate

EC50	0,539		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		

2-ethylhexyl acrylate

Species	Desmodesmus subspicatus		
EC50	1,71		mg/l
Duration of exposure	72	h	

Method	OECD 201				
Source	ECHA				

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	Desmodesmus subspicatus				
EC50	>	173			mg/l
Duration of exposure		72	h		
Source	Analogous				

Bacteria toxicity (Components)

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

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

Dimethylethylcyclohexyl acrylate

Species	activated sludge				
EC50	>	1000			mg/l
Duration of exposure		30	min		
Method	OECD 209				

3,3,5-Trimethylcyclohexyl acrylate

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

2-ethylhexyl acrylate

Species	activated sludge				
EC20	>	1000			mg/l
Duration of exposure		30	min		
Source	ECHA				

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	activated sludge				
EC50	>	2500			mg/l
Duration of exposure		3	h		
Method	OECD 209				
Source	Analogous				

12.2. Persistence and degradability

General information

not determined

Biodegradability (Components)

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

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

3,3,5-Trimethylcyclohexyl acrylate

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

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Remarks	Inorganic product, cannot be eliminated from the water by biological purification processes.

Ready degradability (Components)

Dimethylethylcyclohexyl acrylate

Value	4				%
Duration of test	28	d			

2-ethylhexyl acrylate

Value	70	to	80	%	
Duration of test	15	d			
Source	ECHA				

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks	not determined

Octanol/water partition coefficient (log Pow) (Components)

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

log Pow	3,1	
Temperature	23	°C

Dimethylethylcyclohexyl acrylate

log Pow	5,5	
Temperature	23	°C

3,3,5-Trimethylcyclohexyl acrylate

log Pow	4,6

2-ethylhexyl acrylate

log Pow	4,64	
Temperature	25	°C
Method	OECD 107	
Source	ECHA	

Bioconcentration factor (BCF) (Components)

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

BCF	47	to	55	
Concentration	0,1	mg/l		
Duration of exposure	8	Weeks		
Medium	Freshwater			
Species	carp (Cyprinus carpio)			

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Must not be disposed together with household garbage.
Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

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

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3,3,5-Trimethylcyclohexyl acrylate, Dimethylethylcyclohexyl acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3,3,5-Trimethylcyclohexyl acrylate, Dimethylethylcyclohexyl acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (3,3,5-Trimethylcyclohexyl acrylate, Dimethylethylcyclohexyl acrylate)
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Remarks	The product is not subject to any other provisions of ADR provided packaging of not more than 5 l / 5 kg	The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 l / 5 kg.	The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197)
Limited Quantity	5 l	5 l	
Transport category	3		
14.5. Environmental hazards	-		
Tunnel restriction code	-		

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other information

All components are contained in the TSCA inventory or exempted.

15.2. Chemical safety assessment

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

SECTION 16: Other information

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

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

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 2	H411	Calculation method

Hazard statements listed in Chapter 2/3

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Aquatic 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
Eye Irrit. 2	Eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, Category 1B
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
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.