

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MOIIN Model Grey 2.0

Revision date: 19.07.2022

Product code: 023571

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

1.1. Product identifier

MOIIN Model Grey 2.0

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

Uses advised against

pregnant or breastfeeding people should not work with hazardous substances

1.3. Details of the supplier of the safety data sheet

Company name:	DMG Digital Enterprises SE	
Street:	Elbgaustrasse 248	
Place:	D-22547 Hamburg	
Telephone:	+49 40 84006-0	Telefax: +49 40 84006-222
e-mail:	info@dmg-digital.com	
Contact person:	A. Brunner	
Internet:	www.dmg-digital.com	
Responsible Department:	Quality Management	

Further Information

The substance does not require registration according to Regulation (EC) No 1907/2006 [REACH].

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin Sens. 1; H317
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)

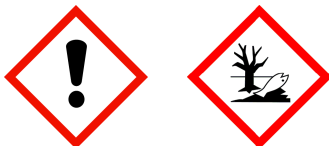
Triethylene glycol dimethacrylate

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

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.
P391 Collect spillage.

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2.3. Other hazards

Endocrine disrupting properties: 2,6-Di-tert-butyl-4-methylphenol.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)			70 - < 75 %
	276-957-5		01-2120751202-68	
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411			
109-16-0	Triethylene glycol dimethacrylate			20 - < 25 %
	203-652-6		01-2119969287-21	
	Skin Sens. 1B; H317			
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			1 - < 5 %
	278-355-8	015-203-00-X	01-2119972295-29	
	Repr. 2, Skin Sens. 1B, Aquatic Chronic 2; H361f H317 H411			
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate			< 1 %
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
128-37-0	2,6-Di-tert-butyl-4-methylphenol			< 1 %
	204-881-4		01-2119565113-46	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
13463-67-7	titanium dioxide			< 1 %
	236-675-5	022-006-00-2	01-2119489379-17	
	Carc. 2; H351			
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve			< 0.1 %
	203-905-0	603-014-00-0	01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H302 H315 H319			

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
72869-86-4	276-957-5	7,7,9-(resp. 7,9,9-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers))	70 - < 75 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
109-16-0	203-652-6	Triethylene glycol dimethacrylate	20 - < 25 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
75980-60-8	278-355-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
80-62-6	201-297-1	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	< 1 %
		inhalation: LC50 = 29,8 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = 7870 mg/kg	
128-37-0	204-881-4	2,6-Di-tert-butyl-4-methylphenol	< 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2930 mg/kg M acute; H400: M=1 M chron.; H410: M=1	
13463-67-7	236-675-5	titanium dioxide	< 1 %
		inhalation: LC50 = 6,82 mg/l (dusts or mists); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
111-76-2	203-905-0	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	< 0.1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: ATE 1200 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Call a physician immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

CO_x, NO_x

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear suitable protective clothing. Provide adequate ventilation.

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

Advice on general occupational hygiene

When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Store only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
128-37-0	2,6-Ditertiary-butyl-para-cresol	-	2		TWA (8 h)	
111-76-2	2-Butoxyethanol (EGBE)	20	98		TWA (8 h)	
		50	246		STEL (15 min)	
1344-28-1	Aluminium oxides, total inhalable dust	-	10		TWA (8 h)	
1317-65-3	Calcium carbonate, total inhalable dust	-	10		TWA (8 h)	
108-31-6	Maleic anhydride (Inhalable Fraction and Vapour)	0.1	-		TWA (8 h)	
80-62-6	Methyl methacrylate	50	-		TWA (8 h)	
		100	-		STEL (15 min)	
13463-67-7	Titanium dioxide, total inhalable dust	-	10		TWA (8 h)	

Biological limit values

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	BAA	200 mg/g	Creatinine	End of shift

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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)		
Worker DNEL, long-term	inhalation	systemic	3,3 mg/m ³
Worker DNEL, long-term	dermal	systemic	1,3 mg/kg bw/day
109-16-0	Triethylene glycol dimethacrylate		
Worker DNEL, long-term	inhalation	systemic	48,5 mg/m ³
Worker DNEL, long-term	dermal	systemic	13,9 mg/kg bw/day
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide		
Worker DNEL, long-term	inhalation	systemic	3,5 mg/m ³
Worker DNEL, long-term	dermal	systemic	1 mg/kg bw/day
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate		
Worker DNEL, long-term	inhalation	systemic	208 mg/m ³
Worker DNEL, long-term	dermal	systemic	13,7 mg/kg bw/day
Worker DNEL, acute	dermal	local	1,5 mg/cm ²
128-37-0	2,6-Di-tert-butyl-4-methylphenol		
Worker DNEL, long-term	inhalation	systemic	3,5 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,5 mg/kg bw/day
13463-67-7	titanium dioxide		
Worker DNEL, long-term	inhalation	local	10 mg/m ³
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve		
Worker DNEL, long-term	dermal	systemic	125 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	89 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	98 mg/m ³
Worker DNEL, acute	inhalation	systemic	1091 mg/m ³
Worker DNEL, long-term	inhalation	local	246 mg/m ³
108-31-6	maleic anhydride		
Worker DNEL, long-term	inhalation	systemic	0,081 mg/m ³
Worker DNEL, acute	inhalation	systemic	0,2 mg/m ³
Worker DNEL, long-term	inhalation	local	0,081 mg/m ³

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PNEC values

CAS No	Substance	Value
Environmental compartment		Value
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)	
Freshwater		0,01 mg/l
Marine water		0,001 mg/l
Freshwater sediment		4,56 mg/kg
Marine sediment		0,456 mg/kg
Micro-organisms in sewage treatment plants (STP)		3,61 mg/l
Soil		0,91 mg/kg
109-16-0	Triethylene glycol dimethacrylate	
Freshwater		0,164 mg/l
Marine water		0,0164 mg/l
Freshwater sediment		1,85 mg/kg
Marine sediment		0,185 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,274 mg/kg
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	
Freshwater		0,004 mg/l
Freshwater (intermittent releases)		0,035 mg/l
Marine water		0 mg/l
Freshwater sediment		0,29 mg/l
Marine sediment		0,029 mg/l
Soil		0,056 mg/kg
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	
Freshwater		0,94 mg/l
Marine water		0,094 mg/l
Freshwater sediment		10,2 mg/kg
Marine sediment		10,2 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		1,48 mg/kg
128-37-0	2,6-Di-tert-butyl-4-methylphenol	
Freshwater		0,000199 mg/l
Freshwater (intermittent releases)		0,00199 mg/l
Marine water		0,000199 mg/l
Freshwater sediment		0,0996 mg/kg
Marine sediment		0,00996 mg/kg
Soil		0,04769 mg/kg
13463-67-7	titanium dioxide	
Freshwater		0,127 mg/l
Freshwater (intermittent releases)		0,61 mg/l
Marine water		1 mg/l
Freshwater sediment		1000 mg/kg

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Marine sediment	100 mg/kg
Micro-organisms in sewage treatment plants (STP)	100 mg/l
Soil	100 mg/kg
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve
Freshwater	8,80 mg/l
Freshwater (intermittent releases)	26,4 mg/l
Marine water	0,88 mg/l
Freshwater sediment	34,6 mg/kg
Marine sediment	3,46 mg/kg
Secondary poisoning	20,0 mg/kg
Micro-organisms in sewage treatment plants (STP)	463,0 mg/l
Soil	2,33 mg/kg
108-31-6	maleic anhydride
Freshwater	0,038 mg/l
Marine water	0,004 mg/l
Freshwater sediment	0,296 mg/kg
Marine sediment	0,03 mg/kg
Micro-organisms in sewage treatment plants (STP)	44,6 mg/l
Soil	0,037 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation of the storage area.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Respiratory protection

The following must be prevented: inhalation.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	yellow
Odour:	like: ester

Test method**Changes in the physical state**

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Sublimation point:	not determined

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Softening point:	not determined
Pour point:	not determined
point of decomposition:	> 200 °C estim.
Flash point:	> 100 °C
Lower explosion limits:	not determined
Upper explosion limits:	not determined
pH-Value:	not determined
Water solubility: (at 20 °C)	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1.1 g/cm ³ calc.
Relative vapour density:	> 1

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

- Light. heat.
- Decomposition takes place from temperatures above: 200 °C
- Decomposition under formation of: Acrylate.

10.5. Incompatible materials

- Keep away from strong acids, leachates, heavy metal salts and reducing materials.

10.6. Hazardous decomposition products

- In case of fire may be liberated: Gas / vapours, irritant. (Acrylate., pungent)

Further information

- Substances sensitive to light.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

- Based on available data, the classification criteria are not met.
- ATEmix (oral, rat): > 5002 mg/kg

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)				
	oral	LD50 >5000 mg/kg	Rat	supplier SDS	OECD 401
	dermal	LD50 >2000 mg/kg	Rat	supplier SDS	OECD 402
109-16-0	Triethylene glycol dimethacrylate				
	oral	LD50 >5000 mg/kg	Rat	supplier SDS	
	dermal	LD50 >2000 mg/kg	Mouse	supplier SDS	
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				
	oral	LD50 > 5000 mg/kg	Rat	supplier SDS	
	dermal	LD50 > 2000 mg/kg	Rat	supplier SDS	
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate				
	oral	LD50 7870 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 29,8 mg/l	Rat		
128-37-0	2,6-Di-tert-butyl-4-methylphenol				
	oral	LD50 > 2930 mg/kg	Rat	supplier SDS	OECD 401
	dermal	LD50 > 2000 mg/kg	Rat	supplier SDS	OECD 402
13463-67-7	titanium dioxide				
	oral	LD50 >5000 mg/kg	Rat	supplier SDS/ ECHA	OECD 425
	dermal	LD50 >5000 mg/kg	Rabbit	supplier SDS	
	inhalation (4 h) dust/mist	LC50 6,82 mg/l	Rat	supplier SDS/ ECHA	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve				
	oral	ATE 1200 mg/kg			
	dermal	LD50 >2000 mg/kg	Guinea pig	ECHA	OECD 402
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

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

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Sensitising effects

May cause an allergic skin reaction. (7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers); Triethylene glycol dimethacrylate; diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide; methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; maleic anhydride)
May cause sensitization by skin contact.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Additional information on tests

Contains Methacrylic esters.: May produce an allergic reaction.

SECTION 12: Ecological information

12.1. Toxicity

Preparation not tested.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)					
	Acute fish toxicity	LC50 mg/l	10,1	96 h	Brachydanio rerio	supplier SDS OECD 203
	Acute algae toxicity	ErC50 mg/l	>0,68	72 h	Desmodesmus subspicatus	supplier SDS OECD 201
	Acute crustacea toxicity	EC50 mg/l	>1,2	48 h	Daphnia magna (Big water flea)	supplier SDS OECD 202
	Algae toxicity	NOEC mg/l	0,21	3 d	Desmodesmus subspicatus	supplier SDS OECD 201
109-16-0	Triethylene glycol dimethacrylate					
	Acute fish toxicity	LC50 mg/l	16,4	96 h	Brachydanio rerio	supplier SDS OECD 203
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Pseudokirchneriella subcapitata	OECD 201
	Crustacea toxicity	NOEC	32 mg/l	21 d	Daphnia magna (Big water flea)	
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide					
	Acute fish toxicity	LC50 mg/l	6,53	96 h	Oryzias latipes (Ricefish)	supplier SDS
	Acute algae toxicity	ErC50 mg/l	> 2,01	72 h	Scenedesmus subspicatus	supplier SDS
	Acute crustacea toxicity	EC50 mg/l	3,53	48 h	Daphnia magna (Big water flea)	supplier SDS
	Acute bacteria toxicity	(EC50 mg/l)	> 1000	3 h	Activated sludge	supplier SDS
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate					
	Acute fish toxicity	LC50 mg/l	>100	96 h		supplier SDS OECD 203
	Acute algae toxicity	ErC50	110 mg/l	72 h	Selenastrum capricornutum	ECHA
	Acute crustacea toxicity	EC50	69 mg/l	48 h	Daphnia magna (Big water flea)	ECHA
	Fish toxicity	NOEC	9,4 mg/l			supplier SDS OECD 210
	Algae toxicity	NOEC mg/l	>110		Selenastrum capricornutum	supplier SDS OECD 201
	Crustacea toxicity	NOEC	37 mg/l		Daphnia magna (Big water flea)	supplier SDS OECD 202
128-37-0	2,6-Di-tert-butyl-4-methylphenol					
	Acute fish toxicity	LC50 mg/l	>0,57	96 h	Danio rerio (zebrafish)	supplier SDS
	Acute algae toxicity	ErC50 mg/l	> 0,4	72 h	Desmodesmus subspicatus	supplier SDS
	Acute crustacea toxicity	EC50 mg/l	0,48	48 h	Daphnia magna (Big water flea)	supplier SDS OECD 202
	Acute bacteria toxicity	(EC50 mg/l)	> 10000	3 h	Activated sludge	MSDS OECD 209
13463-67-7	titanium dioxide					

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	Acute fish toxicity	LC50 mg/l	>1000	96 h	Pimephales promelas (fathead minnow)	supplier SDS	
	Acute algae toxicity	ErC50 mg/l	>10000	72 h	Skeletonema costatum	supplier SDS	
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna (Big water flea)	supplier SDS	
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve						
	Acute fish toxicity	LC50 mg/l	>1474	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	OECD 203
	Acute algae toxicity	ErC50	911 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	OECD 201
	Acute crustacea toxicity	EC50 mg/l	1550	48 h	Daphnia magna (Big water flea)	ECHA	OECD 202
	Fish toxicity	NOEC	100 mg/l	21 d	Danio rerio (zebrafish)	ECHA	OECD 204
	Crustacea toxicity	NOEC	100 mg/l	21 d	Daphnia magna (Big water flea)	ECHA	OECD 211

12.2. Persistence and degradability

Preparation not tested.

CAS No	Chemical name	Method	Value	d	Source
	Evaluation				
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxo-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)				
	OECD 301F		22%	28	
	Not readily biodegradable (according to OECD criteria)				
109-16-0	Triethylene glycol dimethacrylate				
	OECD 301B		85%		
	Readily biodegradable (according to OECD criteria).				
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				
	OECD 301 F		0-10%	28	
	Not readily biodegradable (according to OECD criteria)				
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate				
	OECD 301C		94%	14	
	Readily biodegradable (according to OECD criteria).				
128-37-0	2,6-Di-tert-butyl-4-methylphenol				
	Persistence and degradability		< 10 %	20	OECD 301D
	Not readily biodegradable (according to OECD criteria)				
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve				
			90,4%	28	
	Readily biodegradable (according to OECD criteria).				

12.3. Bioaccumulative potential

Preparation not tested.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72869-86-4	7,7,9-(resp. 7,9,9-)Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diol dimethacrylate (mixture of isomers)	3,39
109-16-0	Triethylene glycol dimethacrylate	2,3
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	3,1
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	1,38
128-37-0	2,6-Di-tert-butyl-4-methylphenol	5,10
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	0,8

BCF

CAS No	Chemical name	BCF	Species	Source
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	18-72		

12.4. Mobility in soil

Preparation not tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Preparation not tested.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: 2,6-Di-tert-butyl-4-methylphenol.

12.7. Other adverse effects

Preparation not tested.

Further information

Do not allow to enter into surface water or drains. Leakage into the environment must be prevented.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

liquid: Carry out a burning of hazardous waste according to official regulations.

solid: Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

List of Wastes Code - residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing hazardous substances; hazardous waste

SECTION 14: Transport information**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: Yes

**Other applicable information**

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MOIIN Model Grey 2.0

Revision date: 19.07.2022

Product code: 023571

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

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): 0,033 % (0,36 g/l)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

SECTION 16: Other information**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Further Information

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)