

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## MOIIN Model GREY 2.0

Revision date: 04.01.2022

Product code: 2510

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

for dental use only

##### 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	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1B

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

##### Hazard components for labelling

Tri-ethylenglycol-dimethacrylate (TEDMA)

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

Signal word: Warning

Pictograms:



##### Hazard statements

H317 May cause an allergic skin reaction.

##### Precautionary statements

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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

##### Special labelling of certain mixtures

20 - &lt; 25 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation).

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)			20 - 23 %
	203-652-6		01-2119969287-21	
	Skin Sens. 1B; H317			
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			2 - 3 %
	278-355-8		01-2119972295-29	
	Repr. 2, Skin Sens. 1B, Aquatic Chronic 2; H361 H317 H411			

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

### 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 (CO<sub>2</sub>).

##### Unsuitable extinguishing media

High power water jet.

#### 5.2. Special hazards arising from the substance or mixture

CO<sub>x</sub>, NO<sub>x</sub>

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Provide adequate ventilation.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

Take up mechanically.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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### Advice on safe handling

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

### 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

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1344-28-1	Aluminium oxides, respirable dust	-	4		TWA (8 h)	WEL
1317-65-3	Calcium carbonate, inhalable dust	-	10		TWA (8 h)	WEL
13463-67-7	Titanium dioxide, total inhalable	-	10		TWA (8 h)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)			
Worker DNEL, long-term		inhalation	systemic	48,5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	13,9 mg/kg bw/day

#### PNEC values

CAS No	Substance	Value
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)	
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

### 8.2. Exposure controls

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
 Colour:  
 Odour: like: ester

#### Changes in the physical state

Melting point: not determined  
 Initial boiling point and boiling range: not determined  
 Sublimation point: not determined  
 Softening point: not determined  
 Pour point: not determined

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:	not determined
Flash point:	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Vapour pressure:	not determined
Water solubility:	not determined

### 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)

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

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

##### ATEmix tested

LD50, oral	Dose 5014 mg/kg	Species rattus	Source calc.
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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Mouse		
	inhalation	Data lacking			
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				
	oral	LD50 > 5000 mg/kg	Rat	SDS	
	dermal	LD50 > 2000 mg/kg	Rat	SDS	
	inhalation	Data lacking			

##### Irritation and corrosivity

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

##### Sensitising effects

May cause an allergic skin reaction. (Tri-ethylenglycol-dimethacrylate (TEDMA); Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide)

##### Carcinogenic/mutagenic/toxic effects for reproduction

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

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### 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

Preparation not tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)					
	Acute fish toxicity	LC50 16,4 mg/l	96 h	pisc, indet.	OECD 203	
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Algae toxicity	NOEC 18,6 mg/l	3 d	Pseudokirchneriella subcapitata		
	Crustacea toxicity	NOEC 32 mg/l	21 d	daphnia magna		
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide					
	Acute fish toxicity	LC50 6,53 mg/l	96 h	Oryzias latipes (Ricefish)	SDS	
	Acute algae toxicity	ErC50 > 2,01 mg/l	72 h	Scenedesmus subspicatus	SDS	
	Acute crustacea toxicity	EC50 3,53 mg/l	48 h	Daphnia magna (Big water flea)	SDS	
	Acute bacteria toxicity	(> 1000 mg/l)	3 h	Activated sludge	SDS	

### 12.2. Persistence and degradability

Preparation not tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)			
	Biodegradation	85 %	28	OECD 301B
	Biodegradable.			

### 12.3. Bioaccumulative potential

Preparation not tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)	<= 4
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	3,1

### 12.4. Mobility in soil

Preparation not tested.

### 12.5. Results of PBT and vPvB assessment

Preparation not tested.

### 12.6. Other adverse effects

Preparation not tested.

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#### 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

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

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

##### 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

No dangerous good in sense of this transport regulation

### SECTION 15: Regulatory information

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

##### National regulatory information

### SECTION 16: Other information

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Sens. 1B; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

##### Relevant H and EUH statements (number and full text)

H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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