

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaPrint Tray**

Revision date: 05.08.2020

Product code: 2410

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

LuxaPrint Tray

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name:	DMG Chemisch-Pharmazeutische Fabrik GmbH	
Street:	Elbgaustraße 248	
Place:	D-22547 Hamburg	
Telephone:	+49. (0) 40. 84006-0	Telefax: +49. (0) 40. 84006-222
e-mail:	info@dmg-dental.com	
Internet:	www.dmg-dental.com	

**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. 1

Hazard Statements:

May cause an allergic skin reaction.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Tri-ethylenglycol-dimethacrylate (TEDMA)

Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphinoxide

**Signal word:** Warning**Pictograms:****Hazard statements**

H317 May cause an allergic skin reaction.

**Precautionary statements**

P363	Wash contaminated clothing before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P280	Wear protective gloves and eye/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P102	Keep out of reach of children.

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

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)			20-30 %
	203-652-6		01-2119969287-21	
	Skin Sens. 1B; H317			
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphinoxide			1-5 %
	423-340-5		01-2119489401-38	
	Skin Sens. 1, Aquatic Chronic 4; H317 H413			

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****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**

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**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
128-37-0	2,6-Di-tert-butyl-p-cresol	-	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
Environmental compartment		
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****Appropriate engineering controls**

Ensure adequate ventilation of the storage area.

**Protective and hygiene measures**

When using do not eat or drink.

**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.

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**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**

pH-Value: not determined

**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  
 point of decomposition: > 200 °C estim.  
 Flash point: > 100 °C

Lower explosion limits: not determined  
 Upper explosion limits: not determined  
 Vapour pressure: not determined  
 Density (at 20 °C): 1.1 g/cm<sup>3</sup> calc.  
 Water solubility: not determined  
 (at 20 °C)  
 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 toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.  
 LD50: Rat > 4800 mg/kg (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			
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide				
	oral	LD50 > 2000 mg/kg	rattus	MSDS	
	dermal	LD50 > 2000 mg/kg	rattus		

**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))

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
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)					
	Acute fish toxicity	LC50 mg/l	16,4	96 h	pisc, indet.	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Pseudokirchneriella subcapitata	OECD 201
	Algae toxicity	NOEC mg/l	18,6	3 d	Pseudokirchneriella subcapitata	
	Crustacea toxicity	NOEC	32 mg/l	21 d	daphnia magna	
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide					
	Acute fish toxicity	LC50 mg/l	> 90	96 h	B. rerio	MSDS
	Acute algae toxicity	ErC50 mg/l	> 260	72 h	D. subspicatus	MSDS
	Acute crustacea toxicity	EC50 mg/l	> 1,175	48 h	D. magna	MSDS
	Acute bacteria toxicity	(> 100 mg/l)		3 h	Belebtschlamm	MSDS

**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.				
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide				
		1 %	29		

**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
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide	5,8

**BCF**

CAS No	Chemical name	BCF	Species	Source
162881-26-7	Phenyl-bis(2,4,6-trimethylbenzoyl)-phosphin oxide	< 5	C. carpio	

**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.

**Further information**

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

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**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****14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:                      yes

**Other applicable information**

No dangerous good in sense of these transport regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****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

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

H317                      May cause an allergic skin reaction.  
H413                      May cause long lasting harmful effects to aquatic life.

**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.)*