

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Ortho Flex 385 nm

Revision date: 21.04.2021

Product code: 2425

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

1.1. Product identifier

LuxaPrint Ortho Flex 385 nm

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	
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

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1B

Hazardous to the aquatic environment: Aquatic Chronic 4

Hazard Statements:

May cause an allergic skin reaction.

May cause long lasting harmful effects to aquatic life.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

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

Signal word: Warning

Pictograms:



Hazard statements

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

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

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P362+P364 Take off contaminated clothing and wash it before reuse.

Special labelling of certain mixtures

1 - < 5 % of the mixture consists of ingredient(s) of unknown acute toxicity (oral).
 5 - < 10 % of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).
 5 - < 10 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation).
 Contains 1 - < 5 % of components with unknown hazards to the aquatic environment.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
41637-38-1	EBPADMA			25 - 50 %
	Aquatic Chronic 4; H413			
41637-38-1	EBPADMA			25 - 50 %
	Aquatic Chronic 4; H413			
41637-38-1	EBPADMA			15 - 25 %
	Aquatic Chronic 4; H413			
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			< 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 (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

CO_x, NO_x

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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

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 ³	fibres/ml	Category	Origin
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10		TWA (8 h)	WEL

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Test method

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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:	not determined estim.
Flash point:	> 93 °C
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Vapour pressure:	not determined
Density:	not determined
Water solubility: (at 20 °C)	not determined
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

- LD50: Rat > 2000 mg/kg (calc.)

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
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

- Frequently or prolonged contact with skin may cause dermal irritation.
- Irritant effect on the eye:

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Sensitising effects

May cause sensitization by skin contact.

Additional information on tests

Contains Methacrylic esters.: May produce an allergic reaction.

SECTION 12: Ecological information

12.1. Toxicity

Preparation not tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
41637-38-1	EBPADMA					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	(indet)	supplier MSDS	
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	(indet)	supplier MSDS	
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	D. magna	supplier MSDS	
41637-38-1	EBPADMA					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	(indet)	supplier MSDS	
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	(indet)	supplier MSDS	
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	D. magna	supplier MSDS	
41637-38-1	EBPADMA					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	(indet)	supplier MSDS	
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	(indet)	supplier MSDS	
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	D. magna	supplier MSDS	
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.

12.3. Bioaccumulative potential

Preparation not tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
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

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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.

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): 2 - obviously 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. 1B; H317	Calculation method
Aquatic Chronic 4; H413	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.
 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.)