

Safety Data Sheet

according to Regulation (EC) No 1907/2006

LuxaPrint Gingiva (385 nm, 405 nm)

Revision date: 21.04.2021

Product code: 2430

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

1.1. Product identifier

LuxaPrint Gingiva (385 nm, 405 nm)

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

Use of the substance/mixture

Manufacture of plastics products, including compounding and conversion

Uses advised against

Do not use for sputtering or spraying.

Avoid: generation/formation of aerosols

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:	Elbgastrasse 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	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Acute toxicity: Acute Tox. 3

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Toxic if inhaled.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

2-[[[(Butylamino)carbonyl]oxy]ethyl acrylate

(5-ethyl-1,3-dioxane-5-yl)methacrylate

Decandiol dimethacrylate

1-(morpholin-4-yl)prop-2-en-1-one

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

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

Tri-ethylenglycol-dimethacrylate (TEDMA)

Signal word: Danger

Pictograms:



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Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P310	Immediately call a doctor.
P280	Wear protective gloves and eye/face protection.
P273	Avoid release to the environment.
P264	Wash hands thoroughly after handling.

Special labelling of certain mixtures

30 - < 35 % of the mixture consists of ingredient(s) of unknown acute toxicity (oral).
55 - < 60 % of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).
55 - < 60 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation).
Contains 30 - < 35 % of components with unknown hazards to the aquatic environment.
Restricted to professional users.

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			
63225-53-6	2-[[Butylamino]carbonyloxy]ethyl acrylate			10 - 25 %
	264-036-0		01-2120751208-56	
	Acute Tox. 3, Skin Sens. 1, Aquatic Chronic 2; H331 H317 H411			
41637-38-1	EBPADMA			10 - 25 %
	Aquatic Chronic 4; H413			
66492-51-1	(5-ethyl-1,3-dioxane-5-yl)methacrylate			10 - 25 %
	266-380-7		01-2119976303-36	
	Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2; H315 H317 H411			
6701-13-9	Decandiol dimethacrylate			5 - 10 %
	229-745-1		01-2120735533-57	
	Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
41637-38-1	EBPADMA			5 - 10 %
	Aquatic Chronic 4; H413			
5117-12-4	1-(morpholin-4-yl)prop-2-en-1-one			1 - 5 %
	418-140-1		01-0000016491-73	
	Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT RE 2; H302 H318 H317 H373			
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			1 - 5 %
	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.

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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

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
1344-28-1	Aluminium oxides, respirable dust	-	4		TWA (8 h)	WEL
1317-65-3	Calcium carbonate, inhalable dust	-	10		TWA (8 h)	WEL
1309-37-1	Iron oxide, fume (as Fe)	-	5		TWA (8 h)	WEL
		-	10		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, total inhalable	-	10		TWA (8 h)	WEL

8.2. Exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

Colour:

Changes in the physical state

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.

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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.

ATEmix calculated

ATE (inhalation vapour) 8,83 mg/l; ATE (inhalation aerosol) 1,471 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
63225-53-6	2-[[[(Butylamino)carbonyl]oxy]ethyl acrylate				
	oral	LD50 > 2000 mg/kg	rattus	supplier MSDS	
	dermal	Data lacking			
	inhalation (4 h) vapour	LC50 3 mg/l	rattus	supplier MSDS	
	inhalation aerosol	ATE 0,5 mg/l			
66492-51-1	(5-ethyl-1,3-dioxane-5-yl)methacrylate				
	oral	LD50 > 2000 mg/kg	rattus	supplier MSDS	OECD 423
	dermal	LD50 > 2000 mg/kg	rattus	supplier MSDS	OECD 402
	inhalation	Data lacking			
6701-13-9	Decandiol dimethacrylate				
	oral	LD50 > 2000 mg/kg	rattus	supplier MSDS	OECD 401
	dermal	Data lacking			
	inhalation	Data lacking			
5117-12-4	1-(morpholin-4-yl)prop-2-en-1-one				
	oral	LD50 588 mg/kg	rattus	supplier MSDS	
	dermal	LD50 > 2000 mg/kg	rattus	supplier MSDS	
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

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

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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.

SECTION 12: Ecological information**12.1. Toxicity**

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
63225-53-6	2-[[[(Butylamino)carbonyl]oxy]ethyl acrylate					
	Acute fish toxicity	LC50 mg/l	2,52	96 h	B. rerio	supplier MSDS
	Acute algae toxicity	ErC50 mg/l	5,98	72 h	D. subspicatus	supplier MSDS
	Acute bacteria toxicity	(305 mg/l)		3 h	activated sludge	supplier MSDS
41637-38-1	EBPADMA					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	(indet)	supplier MSDS
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	(indet)	supplier MSDS
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	D. magna	supplier MSDS
66492-51-1	(5-ethyl-1,3-dioxane-5-yl)methacrylate					
	Acute fish toxicity	LC50	4 mg/l	96 h	O. mykiss	supplier MSDS OECD 203
	Acute algae toxicity	ErC50	34 mg/l	72 h	D. subspicatus	supplier MSDS OECD 201
	Acute crustacea toxicity	EC50	20 mg/l	48 h	D. magna	supplier MSDS OECD 202
6701-13-9	Decandiol dimethacrylate					
	Acute fish toxicity	LC50 mg/l	0,1489	96 h	D. rerio	supplier MSDS read across
	Acute algae toxicity	ErC50 mg/l	0,014	72 h	P. subcapitata	supplier MSDS OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,3084	48 h	D. magna	supplier MSDS read across
41637-38-1	EBPADMA					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	(indet)	supplier MSDS
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	(indet)	supplier MSDS
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	D. magna	supplier MSDS
5117-12-4	1-(morpholin-4-yl)prop-2-en-1-one					
	Acute algae toxicity	ErC50	120 mg/l	72 h	algae	supplier MSDS
	Acute crustacea toxicity	EC50	120 mg/l	48 h	D. magna	supplier MSDS
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide					
	Acute fish toxicity	LC50 mg/l	6,53	96 h	Oryzias latipes (Ricefish)	SDS
	Acute algae toxicity	ErC50 mg/l	> 2,01	72 h	Scenedesmus subspicatus	SDS
	Acute crustacea toxicity	EC50 mg/l	3,53	48 h	Daphnia magna (Big water flea)	SDS
	Acute bacteria toxicity	(> 1000 mg/l)		3 h	Activated sludge	SDS

12.2. Persistence and degradability

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CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
63225-53-6	2-[[[(Butylamino)carbonyl]oxy]ethyl acrylate				
	Biodegradation (water)		15 %	28	
66492-51-1	(5-ethyl-1,3-dioxane-5-yl)methacrylate				
	OECD 301 B		28 %	28	supplier MSDS
	not easily degradable				
6701-13-9	Decandiol dimethacrylate				
	OECD 301F		86,6%	28	supplier MSDS
	not easily biologically degradable				

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
66492-51-1	(5-ethyl-1,3-dioxane-5-yl)methacrylate	1,9
6701-13-9	Decandiol dimethacrylate	> 6,5
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	3,1

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.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 2810
14.2. UN proper shipping name:	TOXIC LIQUID, ORGANIC, N.O.S (contains 2-[[[(Butylamino)carbonyl]oxy]ethyl acrylate)
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	III

Marine transport (IMDG)

14.1. UN number:	UN 2810
14.2. UN proper shipping name:	TOXIC LIQUID, ORGANIC, N.O.S (contains 2-[[[(Butylamino)carbonyl]oxy]ethyl acrylate)
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	III
EmS:	F-A, S-A

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



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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): 3 - strongly 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
Acute Tox. 3; H331	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
H413	May cause long lasting harmful effects to aquatic life.

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