# **DETAX**

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 1 of 10

# 1. Identification

# Product identifier

freeprint® gingiva 385

# Recommended use of the chemical and restrictions on use

## Use of the substance/mixture

Light-curing resin for the generative fabrication of flexible gingival masks for models.

### Details of the supplier of the safety data sheet

Details of the supplier of the sale	ry uala sheel	
Company name:	DETAX GmbH	
Street:	Carl-Zeiss-Straße 4	
Place:	D-76275 Ettlingen	
Telephone:	+49 7243/510-0	Telefax: +49 7243/510-100
e-mail:	post@detax.com	
Internet:	www.detax.com	
Responsible Department:	This number is only obtainable d	luring office hours
	(Monday - Thursday 8.00 a.m	5.00 p.m., Friday 8.00 a.m 4.00 p.m.)
Emergency phone number:	+1-800-424-9300 (CHEMTREC	worldwide)

# 2. Hazard(s) identification

## **Classification of the chemical**

### 29 CFR Part 1910.1200

Serious eye damage/eye irritation: Eye Irrit. 2A Respiratory or skin sensitization: Skin Sens. 1 Hazardous to the aquatic environment: Aquatic Chronic 2

Warning

## Label elements

29 CFR Part 1910.1200

Signal word:

Pictograms:



## Hazard statements

Causes serious eye irritation May cause an allergic skin reaction Toxic to aquatic life with long lasting effects

## Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Dispose of contents/ container in accordance with local and national regulations.

# Hazards not otherwise classified

No information available.

according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 2 of 10

## 3. Composition/information on ingredients

### **Mixtures**

## **Chemical characterization**

Mixture of acrylic/ methacrylic resins with auxilliary matters.

#### Hazardous components

CAS No	Components	Quantity
63225-53-6	2-[[(butylamino)carbonyl]oxy]ethyl acrylate	20 - < 40 %
27813-02-1	Hydroxy propyl methacrylate	5 - < 20 %
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	5 - < 20 %
142-90-5	dodecyl methacrylate	5 - < 20 %
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	0,1 - < 5 %
868-77-9	2-hydroxyethyl methacrylate	0,1 - < 5 %
128-37-0	"BHT; butylated hydroxytoluene"	0,1 - < 5 %

### 4. First-aid measures

## **Description of first aid measures**

#### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

## After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

Rinse mouth immediately and drink 1 glass of of water.

Seek immediately medical advice. Do not induce vomiting. In case of spontaneous vomiting take care of an unhindered flow out of the vomit (danger of suffocation).

## Most important symptoms and effects, both acute and delayed

No information available.

## Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Fire-fighting measures

## Extinguishing media

## Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

## Specific hazards arising from the chemical

Non-flammable.

## Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

## Additional information

Supress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures



according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 3 of 10

## Personal precautions, protective equipment and emergency procedures

## General advice

Provide adequate ventilation. Do not breathe gas/fume/vapor/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### Environmental precautions

Do not allow to enter into surface water or drains.

## Methods and material for containment and cleaning up

## For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

## Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

## Reference to other sections

Safe handling: see section 7 Personal protection equipment (PPE): see section 8 Disposal: see section 13

# 7. Handling and storage

# Precautions for safe handling

#### Advice on safe handling

No special measures are necessary.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

## Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

## Conditions for safe storage, including any incompatibilities

## Requirements for storage rooms and vessels

Keep container tightly closed.

## Hints on joint storage

Keep away from spontaneous flammable or combustible substances.

## Further information on storage conditions

Keep only in the original container in a dry and well-ventilated place, away from foodstuffs. Keep away from all kind of ligth. An inert gas blanket should not be applied, because the stability of the product depends on the presence of oxygen (air).

## 8. Exposure controls/personal protection

## **Control parameters**

#### Exposure limits

CAS No	Substance	ppm	mg/m³	f/cc	Category	Origin
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10		TWA (8 h)	REL

# Exposure controls

Individual protection measures, such as personal protective equipment



according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 4 of 10

# Eye/face protection

Suitable eye protection: goggles.

# Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable are gloves of the following material: Butyl caoutchouc (butyl rubber)

## Skin protection

Use of protective clothing.

# **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

# 9. Physical and chemical properties

# Information on basic physical and chemical properties

Physical state:	liquid:	
Color:	gingiva coloured	
Odor:	faintly like esters	
		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and	not determined	
boiling range:		
Flammability		
Solid/liquid:	not applicable	
Gas:	not applicable	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Flash point:	>100 °C	DIN 51755
Auto-ignition temperature:	not determined	
Decomposition temperature:	>=190 °C	
pH-Value:	not determined	
Water solubility:	The study does not need to be conducted	
	because the substance is known to be	
	insoluble in water.	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapor pressure:	ca. 1 hPa	
(at 20 °C)		
Density (at 20 °C):		DIN 51757
Relative vapour density:	not determined	
Other information		
Information with regard to physical haz	ard classes	
Explosive properties		
The product is not: Explosive.		
Oxidizing properties		
The product is not: oxidising.		
Other safety characteristics		
Evaporation rate:	not determined	
Solid content:	not determined	

according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 5 of 10

## 10. Stability and reactivity

# **Reactivity**

No hazardous reaction when handled and stored according to provisions.

# Chemical stability

The product is stable under storage at normal ambient temperatures.

## Possibility of hazardous reactions

Reacts with : strong oxidising agents, strong alcaline or acidic materials., oxidising agents, radicals forming substances or heavy metal ions.

# Conditions to avoid

Ultra-violet ligth and dayligth initiate polymerisation of the product. Therefore keep only in tigthly closed containers away from any sources of ligth at 15°C - 28°C / 59°F - 82 °F.

# Incompatible materials

No information available.

# Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

# Information on toxicological effects

# Acute toxicity

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

## **ATEmix calculated**

ATE (oral) 11997,4 mg/kg; ATE (dermal) 10077,1 mg/kg; ATE (inhalation vapour) 38,34 mg/l; ATE (inhalation dust/mist) 5,228 mg/l

according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 6 of 10

CAS No	Components					
	Exposure route	Dose		Species	Source	Method
63225-53-6	2-[[(butylamino)carbony	]oxy]ethyl ac	crylate			
	oral	LD50 5000 mg/k	2000- (g	Rat	OECD 423	
	inhalation vapour	ATE	11 mg/l			
	inhalation dust/mist	ATE	1,5 mg/l			
27813-02-1	Hydroxy propyl methacr	ylate				
	oral	LD50 mg/kg	>2000	Rat	OECD 401	
	dermal	LD50 mg/kg	>5000	Rabbit		
72869-86-4	7,7,9(or 7,9,9)-trimethyl-	-4,13-dioxo-3	8,14-dioxa-5, <sup>-</sup>	12-diazahexadeca	ane-1,16-diyl bismethacrylate	
	oral	LD50 mg/kg	>5000	Rat	OECD 401	
	dermal	LD50 mg/kg	>2000	Rat	OECD 402	
142-90-5	dodecyl methacrylate					
	oral	LD50 mg/kg	>5000	Rat	OECD 401	
	dermal	LD50 mg/kg	>3000	Rabbit		
162881-26-7	phenyl bis(2,4,6-trimeth	ylbenzoyl)-ph	nosphine oxid	le		
	oral	LD50 mg/kg	>2000	Rat	OECD 401	
	dermal	LD50 mg/kg	>2000	Rat	OECD 402	
868-77-9	2-hydroxyethyl methacry	late				
	oral	LD50 mg/kg	5564	Rat		
	dermal	LD50 mg/kg	>5000	Rabbit		

# Irritation and corrosivity

Causes serious eye irritation

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

## Sensitizing effects

May cause an allergic skin reaction (2-[[(butylamino)carbonyl]oxy]ethyl acrylate; Hydroxy propyl methacrylate; 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate; phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide; 2-hydroxyethyl methacrylate)

# Carcinogenic/mutagenic/toxic effects for reproduction

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

## Specific target organ toxicity (STOT) - single exposure Based on available data, the classification criteria are not met.

# Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (OSHA):	No ingredient of this mixture is listed.
Carcinogenicity (IARC):	Butylated hydroxytoluene (BHT) (CAS 128-37-0) is listed in group 3.
Carcinogenicity (NTP):	No ingredient of this mixture is listed.

according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 7 of 10

# Aspiration hazard

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

## Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

# 12. Ecological information

# **Ecotoxicity**

Toxic to aquatic life with long lasting effects.

CAS No	Components						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
63225-53-6	2-[[(butylamino)carbonyl]c	oxy]ethyl acr	ylate				
	Acute fish toxicity	LC50 mg/l	2,52	96 h	OECD 203		
	Acute algae toxicity	ErC50 mg/l	5,98	72 h	OECD 201		
	Acute crustacea toxicity	EC50 mg/l	18,6	48 h	OECD 202		
27813-02-1	Hydroxy propyl methacryl	ate					
	Acute fish toxicity	LC50	493 mg/l	96 h	Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50 mg/l	>97,2	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50	380 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202	
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4	,13-dioxo-3,	14-dioxa-5,1	2-diazah	exadecane-1,16-diyl bisn	nethacrylate	
	Acute fish toxicity	LC50 mg/l	10,1	96 h			OECD 203
	Acute algae toxicity	ErC50 mg/l	0,21	72 h			OECD 201
	Acute crustacea toxicity	EC50 mg/l	>1,2	48 h	Daphnia magna (Big water flea)	OECD 202	
162881-26-7	phenyl bis(2,4,6-trimethyll	penzoyl)-ph	osphine oxide	e	-		
	Acute fish toxicity	LC50 mg/l	>0,09	96 h	Danio rerio (zebrafish)	OECD 203	
	Acute algae toxicity	ErC50 mg/l	>0,26	72 h	Desmodesmus subspicatus	OECD 201	
	Acute crustacea toxicity	EC50 mg/l	>1,175	48 h	Daphnia magna (Big water flea)	OECD 202	
	Crustacea toxicity	NOEC mg/l	>0,008	21 d	Daphnia magna (Big water flea)	OECD 211	
	Acute bacteria toxicity	(EC50 mg/l)	>100	3 h	OECD 209		
868-77-9	2-hydroxyethyl methacryla	ate					
	Acute fish toxicity	LC50 mg/l	>100	96 h	Oryzias latipes		OECD 203
	Acute algae toxicity	ErC50	836 mg/l	72 h	Selenastrum capricornutum		OECD 201
	Acute crustacea toxicity	EC50	380 mg/l	48 h	Daphnia magna		OECD 202
128-37-0	"BHT; butylated hydroxyto	luene"			1		
	Acute crustacea toxicity	EC50 mg/l	0,61	48 h	Daphnia ssp	OECD 202	

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 8 of 10

# Persistence and degradability

The product has not been tested.

# **Bioaccumulative potential**

The product has not been tested.

# Partition coefficient n-octanol/water

CAS No	Components	Log Pow
63225-53-6	2-[[(butylamino)carbonyl]oxy]ethyl acrylate	1,82
27813-02-1	Hydroxy propyl methacrylate	0,97
72869-86-4	7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	3,39
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	5,8
128-37-0	"BHT; butylated hydroxytoluene"	5,1

#### BCF

CAS No	Components	BCF	Species	Source
142-90-5	dodecyl methacrylate	37	Danio rerio (zebrafish)	OECD 305
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl) -phosphine oxide	<5	Cyprinus carpio (Common Carp)	OECD 305

## Mobility in soil

The product has not been tested.

## Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## Other adverse effects

No information available.

## Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 13. Disposal considerations

#### Waste treatment methods

#### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

## **Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

# 14. Transport information

## U.S. DOT 49 CFR 172.101

<u>UN number or ID number:</u>	UN 3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es):	9
Packing group:	III
Hazard label:	9
Marine transport (IMDG)	
<u>UN number or ID number:</u>	UN 3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<u>Transport hazard class(es):</u>	9
Packing group:	III

according to 29 CFR 1910.1200(g)

Revision date: 02/24/2023	freeprint® gingiva 385 Product code: 1045	Page 9 of 10
Hazard label:	9	
Special Provisions:	274, 335, 969	
Limited quantity:	5 L	
Excepted quantity:	E1	
EmS:	F-A, S-F	
Other applicable information (marine to Contains: 2-[[(Butylamino)carbonyl]ox	ansport)	
Air transport (ICAO-TI/IATA-DGR)		
UN number or ID number:	UN 3082	
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	
Transport hazard class(es):	9	
Packing group:		
Hazard label:	9	
Special Provisions:	A97 A158 A197 A215	
Limited quantity Passenger:	30 kg G	
Passenger LQ:	Y964	
Excepted quantity:	E1	
	E1 964	
IATA-packing instructions - Passenger: IATA-max. quantity - Passenger:	964 450 L	
IATA-packing instructions - Cargo:	964	
IATA-max. quantity - Cargo:	450 L	
Other applicable information (air transp	-	
Contains: 2-[[(Butylamino)carbonyl]o	ky]ethylacrylat	
<b>F</b>		
Environmental nazards		
Environmental nazards ENVIRONMENTALLY HAZARDOUS:	Yes	
ENVIRONMENTALLY HAZARDOUS:	Yes	
ENVIRONMENTALLY HAZARDOUS:		
ENVIRONMENTALLY HAZARDOUS: <u>Special precautions for user</u> No dangerous good in sense of this to	ransport regulation.	
ENVIRONMENTALLY HAZARDOUS: <u>Special precautions for user</u> No dangerous good in sense of this to	ransport regulation. MARPOL 73/78 and the IBC Code	
ENVIRONMENTALLY HAZARDOUS: <u>Special precautions for user</u> No dangerous good in sense of this to <u>Transport in bulk according to Annex II of</u> No dangerous good in sense of this to	ransport regulation. MARPOL 73/78 and the IBC Code	
ENVIRONMENTALLY HAZARDOUS: <u>Special precautions for user</u> No dangerous good in sense of this to <u>Transport in bulk according to Annex II of</u> No dangerous good in sense of this to 15. Regulatory information	ransport regulation. MARPOL 73/78 and the IBC Code	
ENVIRONMENTALLY HAZARDOUS: <u>Special precautions for user</u> No dangerous good in sense of this to <u>Transport in bulk according to Annex II of</u> No dangerous good in sense of this to 15. Regulatory information	ransport regulation. MARPOL 73/78 and the IBC Code	
ENVIRONMENTALLY HAZARDOUS: <u>Special precautions for user</u> No dangerous good in sense of this to <u>Transport in bulk according to Annex II of</u> No dangerous good in sense of this to 15. Regulatory information <u>U.S. Regulations</u> National regulatory information	ransport regulation. MARPOL 73/78 and the IBC Code	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this to Transport in bulk according to Annex II of No dangerous good in sense of this to 15. Regulatory information J.S. Regulations National regulatory information SARA Section 311/312 Hazards:	ransport regulation. <u>MARPOL 73/78 and the IBC Code</u> ransport regulation.	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this to Transport in bulk according to Annex II of No dangerous good in sense of this to 15. Regulatory information U.S. Regulations National regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy	ransport regulation. <u>MARPOL 73/78 and the IBC Code</u> ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this to Transport in bulk according to Annex II of No dangerous good in sense of this to 15. Regulatory information U.S. Regulations National regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278)	ransport regulation. <u>MARPOL 73/78 and the IBC Code</u> ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this to Transport in bulk according to Annex II of No dangerous good in sense of this to 15. Regulatory information U.S. Regulations National regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethyl Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86-	
ENVIRONMENTALLY HAZARDOUS: <u>Special precautions for user</u> No dangerous good in sense of this tr <u>Transport in bulk according to Annex II of</u> No dangerous good in sense of this tr <u>15. Regulatory information</u> <u>U.S. Regulations</u> <u>National regulatory information</u> SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 1/3-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5):	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl)	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard -phosphine oxide (162881-26-7): Immediate (acute) health hazard	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl) 2-hydroxyethyl methacrylate (868	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard	
Special precautions for user No dangerous good in sense of this to Transport in bulk according to Annex II of No dangerous good in sense of this to 15. Regulatory information U.S. Regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl)	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard -phosphine oxide (162881-26-7): Immediate (acute) health hazard	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl) 2-hydroxyethyl methacrylate (868 State Regulations	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard 0-phosphine oxide (162881-26-7): Immediate (acute) health hazard 0-77-9): Immediate (acute) health hazard	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl) 2-hydroxyethyl methacrylate (868 State Regulations Safe Drinking Water and Toxic Enforce	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. A acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard -phosphine oxide (162881-26-7): Immediate (acute) health hazard -77-9): Immediate (acute) health hazard ment Act of 1986 (Proposition 65, State of California)	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl) 2-hydroxyethyl methacrylate (868 State Regulations Safe Drinking Water and Toxic Enforce	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard 0-phosphine oxide (162881-26-7): Immediate (acute) health hazard 0-77-9): Immediate (acute) health hazard	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulations National regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl) 2-hydroxyethyl methacrylate (868 State Regulations Safe Drinking Water and Toxic Enforce This product can not expose you to c other reproductive harm.	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. A acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard -phosphine oxide (162881-26-7): Immediate (acute) health hazard -77-9): Immediate (acute) health hazard ment Act of 1986 (Proposition 65, State of California)	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulations National regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl) 2-hydroxyethyl methacrylate (868 State Regulations Safe Drinking Water and Toxic Enforce This product can not expose you to c other reproductive harm. 16. Other information	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. I acrylate (63225-53-6): Immediate (acute) health hazard b13-02-1): Immediate (acute) health hazard o-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ind Immediate (acute) health hazard I-phosphine oxide (162881-26-7): Immediate (acute) health hazard -77-9): Immediate (acute) health hazard ment Act of 1986 (Proposition 65, State of California) hemicals known to the State of California to cause cancer, birth defects or	
ENVIRONMENTALLY HAZARDOUS: Special precautions for user No dangerous good in sense of this tr Transport in bulk according to Annex II of No dangerous good in sense of this tr 15. Regulatory information U.S. Regulations National regulatory information SARA Section 311/312 Hazards: 2-[[(butylamino)carbonyl]oxy]ethy Hydroxy propyl methacrylate (278 7,7,9(or 7,9,9)-trimethyl-4,13-diox 4): Immediate (acute) health haza dodecyl methacrylate (142-90-5): phenyl bis(2,4,6-trimethylbenzoyl) 2-hydroxyethyl methacrylate (868 State Regulations Safe Drinking Water and Toxic Enforce This product can not expose you to c other reproductive harm.	ransport regulation. MARPOL 73/78 and the IBC Code ransport regulation. A acrylate (63225-53-6): Immediate (acute) health hazard 13-02-1): Immediate (acute) health hazard 0-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate (72869-86- ird Immediate (acute) health hazard -phosphine oxide (162881-26-7): Immediate (acute) health hazard -77-9): Immediate (acute) health hazard ment Act of 1986 (Proposition 65, State of California)	



according to 29 CFR 1910.1200(g)

# freeprint® gingiva 385

Revision date: 02/24/2023

Product code: 1045

Page 10 of 10

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50% CLP: Classification, labelling and Packaging REACH: Registration, Evaluation and Authorization of Chemicals GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals UN: United Nations DNFL: Derived No Effect Level DMFL: Derived Minimal Effect Level PNEC: Predicted No Effect Concentration ATE: Acute toxicity estimate LL50: Lethal loading, 50% EL50: Effect loading, 50% EC50: Effective Concentration 50% ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration BCF: Bio-concentration factor PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative RID: Regulations concerning the international carriage of dangerous goods by rail ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures) EmS: Emergency Schedules MFAG: Medical First Aid Guide ICAO: International Civil Aviation Organization MARPOL: International Convention for the Prevention of Marine Pollution from Ships IBC: Intermediate Bulk Container SVHC: Substance of Very High Concern For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). Other data The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible

for adhering to existing laws and regulations.

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