

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN IMPACT

Revision date: 01.10.2024

Product code: 3137

Page 1 of 7

## 1. Identification

### Product identifier

VITA VIONIC® BASE RESIN IMPACT

### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Lichthärtender Kunststoff zur generativen Herstellung von herausnehmbaren dentalen Prothesenbasen.

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

#### Manufacturer

Company name: DETAX GmbH  
Street: Carl-Zeiss-Strasse 4  
Place: D-76275 Ettlingen  
Telephone: +497243/510-0  
E-mail: post@detax.com  
Internet: www.detax.com

#### Supplier

Company name: VITA Zahnfabrik H.Rauter GmbH & Co.KG  
Street: Spitalgasse 3  
Place: D-79713 Bad Säckingen  
Telephone: +49(0)7761-562-0  
E-mail: info@vita-zahnfabrik.com  
Contact person: regulatory affairs  
E-mail: info@vita-zahnfabrik.com  
Internet: www.vita-zahnfabrik.com  
Responsible Department: Regulatory Affairs

Telefax: +49(0)7761-562-299

**Emergency phone number:** +1-800-424-9300 (CHEMTREC)

### Further Information

Medizinprodukt

## 2. Hazard(s) identification

### Classification of the chemical

#### 29 CFR Part 1910.1200

Skin corrosion/irritation: Skin Corr. 1  
Serious eye damage/eye irritation: Eye Dam. 1  
Respiratory or skin sensitization: Skin Sens. 1  
Reproductive toxicity: Repr. 2

### Label elements

#### 29 CFR Part 1910.1200

**Signal word:** Danger

**Pictograms:**



### Hazard statements

Causes severe skin burns and eye damage  
May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN IMPACT

Revision date: 01.10.2024

Product code: 3137

Page 2 of 7

#### Precautionary statements

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash ... thoroughly after handling.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If swallowed: Rinse mouth. Do NOT induce vomiting.  
 If on skin: Wash with plenty of ....  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 Specific treatment (see ... on this label).  
 Wash contaminated clothing before reuse.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 Immediately call a poison center/doctor.  
 Specific treatment (see ... on this label).  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Immediately call a poison center/doctor.  
 If exposed or concerned: Get medical advice/attention.  
 Store locked up.  
 Dispose of contents/container to ....

### 3. Composition/information on ingredients

#### Mixtures

##### Chemical characterization

Mischung aus Acryl-/Methacrylharzen mit Hilfsstoffen

##### Relevant ingredients

CAS No	Components	Quantity
41637-38-1	Ethoxyliertes Bisphenol-A-Dimethacrylat	40 - < 60 %
72869-86-4	7,7,9(or 7,9,9) -Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat-2-Hydroxyethylmethacrylat	20- < 40%
7534-94-3	Isobornylmethacrylat	5 - < 20%
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	0,1 < 5 %
68909-20-6	silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	0,1 < 5 %
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat	0,1 < 5 %

### 4. First-aid measures

#### Description of first aid measures

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.

### 5. Fire-fighting measures

#### Extinguishing media

#### Special protective equipment and precautions for fire-fighters

### 6. Accidental release measures

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN IMPACT

Revision date: 01.10.2024

Product code: 3137

Page 3 of 7

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

##### General advice

Avoid contact with eyes and skin.

#### 7. Handling and storage

##### Precautions for safe handling

##### Conditions for safe storage, including any incompatibilities

#### 8. Exposure controls/personal protection

##### Control parameters

##### Exposure controls

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye protection Wear eye/face protection.

##### Hand protection

Wear suitable gloves.

##### Skin protection

Wear suitable protective clothing.

#### 9. Physical and chemical properties

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

Physical state:

Color:

Boiling point or initial boiling point and  
boiling range:

258 °C

Flash point:

&gt;100 °C

Auto-ignition temperature:

385 °C

Vapor pressure:

0,075 hPa

(at 20 °C)

##### Other information

##### Information with regard to physical hazard classes

Oxidizing properties

Not oxidising.

#### 10. Stability and reactivity

#### 11. Toxicological information

##### Information on toxicological effects

##### Acute toxicity

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

##### ATEmix calculated

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN IMPACT

Revision date: 01.10.2024

Product code: 3137

Page 4 of 7

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
41637-38-1	Ethoxyliertes Bisphenol-A-Dimethacrylat				
	oral	LD50 2000 mg/kg	Rat	OECD 423	
	dermal	LD50 2000 mg/kg	Rat	OECD 402	
72869-86-4	7,7,9(or 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat2-Hydroxyethylmethacrylat				
	oral	LD50 > 5000 mg/kg	Ratte	OECD 401	
	dermal	LD50 > 2000 mg/kg	Ratte	OECD 402	
7534-94-3	Isobornylmethacrylat				
	oral	LD50 > 2000 mg/kg	Rat	MSDS	
	dermal	LD50 > 3000 mg/kg	Rabbit	MSDS	
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide				
	oral	LD50 > 2000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 2000 mg/kg	Rat	OECD 402	
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rat		

#### Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage (On basis of test data)

Serious eye damage/eye irritation: Causes serious eye damage (On basis of test data)

#### Sensitizing effects

May cause an allergic skin reaction (7,7,9(or 7,9,9)

-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat2-Hydroxyethylmethacrylat; phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide; Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat)

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

Suspected of damaging fertility or the unborn child

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: 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.

#### Aspiration hazard

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

## 12. Ecological information

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN IMPACT

Revision date: 01.10.2024

Product code: 3137

Page 5 of 7

#### Ecotoxicity

CAS No	Components					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
41637-38-1	Ethoxyliertes Bisphenol-A-Dimethacrylat					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss	OECD 203	
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Pseudokirchneriellas ubcapitata	OECD 201	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna	OECD 202	
72869-86-4	7,7,9(or 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat2-Hydroxyethylmethacrylat					
	Acute fish toxicity	LC50 >100 mg/l	96 h			OECD 203
	Acute algae toxicity	ErC50 >100 mg/l	72 h			OECD 201
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna	OECD 202	
7534-94-3	Isobornylmethacrylat					
	Acute fish toxicity	LC50 1,79 mg/l	96 h		MSDS	
	Acute crustacea toxicity	EC50 > 2,57 mg/l	48 h	Daphnia magna	MSDS	
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide					
	Acute fish toxicity	LC50 > 0,09 mg/l	96 h	Danio rerio(Zebrabärbling)	OECD 203	
	Acute algae toxicity	ErC50 > 0,26 mg/l	72 h	Desmodesmussubsp icatus	OECD 201	
	Acute crustacea toxicity	EC50 > 1,175 mg/l	48 h	Daphnia magna	OECD 202	
84434-11-7	Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat					
	Acute fish toxicity	LC50 1,89 mg/l	96 h	Danio rerio		

#### Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Components	Log Pow
72869-86-4	7,7,9(or 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat2-Hydroxyethylmethacrylat	3,39
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	5,8

#### BCF

CAS No	Components	BCF	Species	Source
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	<5	Cyprinus carpio	OECD 305

#### Endocrine disrupting properties

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN IMPACT

Revision date: 01.10.2024

Product code: 3137

Page 6 of 7

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

### 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

Appropriate disposal / Package

### 14. Transport information

#### U.S. DOT 49 CFR 172.101

UN number or ID number:

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)

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:

III

Hazard label:

9



Special Provisions:

274 335 969

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-F

#### Other applicable information (marine transport)

Contains: 7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat

Flash point: > 100°C

#### 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:

III

Hazard label:

9



Special Provisions:

A97 A158 A197 A215

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y964

Excepted quantity:

E1

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

450 L

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN IMPACT

Revision date: 01.10.2024

Product code: 3137

Page 7 of 7

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

450 L

#### Other applicable information (air transport)

Contains: 7,7,9(or 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



## 15. Regulatory information

### U.S. Regulations

#### National regulatory information

SARA Section 311/312 Hazards:

7,7,9(or 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat<sup>2</sup>

-Hydroxyethylmethacrylat (72869-86-4): Immediate (acute) health hazard

Isobornylmethacrylat (7534-94-3): Immediate (acute) health hazard

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7): Immediate (acute) health hazard

silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6): Delayed (chronic) health hazard

Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinat (84434-11-7): Immediate (acute) health hazard

#### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other information

Revision date: 01.10.2024

Revision No: 1

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