

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® DENT RESIN

Revision date: 05.11.2024

Product code: 3141

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## 1. Identification

### Product identifier

VITA VIONIC® DENT RESIN

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

#### Use of the substance/mixture

Lichthärtendes Einkomponentenmaterial zur generativen Herstellung von dentalen Restaurationen

### 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

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#### 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
	Alkoxylated phenol derivative, methacrylate terminated	40- < 60%
72869-86-4	7,7,9(or 7,9,9) -Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylat2-Hydroxyethylmethacrylat	5 - < 20%
6606-59-3	1,6-Hexandioldmethacrylat	5 - < 20%
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	0,1 < 5 %
27813-02-1	Hydroxypropylmethacrylat	0,1 < 5 %
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	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

### 6. Accidental release measures

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

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#### 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: zahnfarbe

Flash point:

>100 °C **Test method** DIN 51755

Decomposition temperature:

≥190 °C

Vapor pressure:

&lt;1 hPa

(at 20 °C)

Density (at 20 °C):

1,4 g/cm<sup>3</sup>

### 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

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CAS No	Components				
	Exposure route	Dose	Species	Source	Method
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	
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	
27813-02-1	Hydroxypropylmethacrylat				
	oral	LD50 > 2000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 5000 mg/kg	Rabbit		
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				
	oral	LD50 > 5000 mg/kg	Rat		
	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; Hydroxypropylmethacrylat; Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide)

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

Suspected of damaging fertility or the unborn child (Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide)

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

#### 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.

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### 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

Appropriate disposal / Package

### 14. Transport information

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

##### Proper shipping name:

No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### Special precautions for user

No dangerous good in sense of this transport regulation.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

### 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-diylbismethacrylat2

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

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

Hydroxypropylmethacrylat (27813-02-1): Immediate (acute) health hazard

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (75980-60-8): 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: 05.11.2024

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