

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA VIONIC® BASE RESIN FLEX pink-translucent

Revision date: 27.08.2025

Product code: 3150

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## 1. Identification

### Product identifier

VITA VIONIC® BASE RESIN FLEX pink-translucent

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

#### Use of the substance/mixture

Light-curing plastic for the generative manufacture of removable dental prosthesis bases.

### 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

medical device

## 2. Hazard(s) identification

### Classification of the chemical

#### 29 CFR Part 1910.1200

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

### 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 ....

#### Hazards not otherwise classified

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Chemical characterization

Mixture of acrylic/methacrylic resins with additives

##### Relevant ingredients

CAS No	Components	Quantity
72869-86-4	7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate	40- < 60%
7534-94-3	Isobornylmethacrylat	5 - < 20%
127823-21-6	(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate	5 - < 20%
27813-02-1	Hydroxypropylmethacrylat	5 - < 20%
868-77-9	2-hydroxyethyl methacrylate	0,1 < 5 %
68909-20-6	Silamine, 1,1,1 trimethyl-N-trimethylsilyl-hydrolyseprodukt mit Siliciumdioxid	0,1 - < 5 %
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate	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.

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

Treat symptomatically.

### 5. Fire-fighting measures

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#### Extinguishing media

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

Wear protective clothing. Use self-contained breathing apparatus. Wear full protective equipment.

### 6. Accidental release measures

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

##### General advice

Avoid contact with eyes and skin.

### 7. Handling and storage

#### Precautions for safe handling

##### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fume/vapor/spray.

##### Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

##### Requirements for storage rooms and vessels

Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

##### Hints on joint storage

No special measures are necessary.

##### Further information on storage conditions

Store in a dry place. Store in a closed container. Sensitivity to light (photosensitive). Do not store under inert gas, as oxygen (air) is required for stabilization.

### 8. Exposure controls/personal protection

#### Control parameters

#### Exposure controls

##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fume/vapor/spray.

##### 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: pink

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Boiling point or initial boiling point and boiling range:	209 °C
Flash point:	>93 °C
Auto-ignition temperature:	355 °C
Vapor pressure: (at 20 °C)	0,11 hPa

#### Other information

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

Oxidizing properties

Not oxidising.

### 10. Stability and reactivity

#### Possibility of hazardous reactions

Oxidizing agent ,Strong acid ,

#### Conditions to avoid

The product hardens when exposed to visible and UV light. Therefore, store in closed containers in complete exclusion of light at 15°C - 28°C.

#### Incompatible materials

No information available.

#### Hazardous decomposition products

No known hazardous decomposition products.

### 11. Toxicological information

#### Information on toxicological effects

##### ATEmix calculated

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

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#### Acute toxicity

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
72869-86-4	7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate				
	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	
127823-21-6	(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate				
	oral	LD50 2000 mg/kg	Ratte		OECD
27813-02-1	Hydroxypropylmethacrylat				
	oral	LD50 > 2000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 5000 mg/kg	Rabbit		
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 5564 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rat		

#### Further information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## 12. Ecological information

#### Ecotoxicity

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CAS No	Components					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
72869-86-4	7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahehexadecan-1,16-diylbismethacrylate					
	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	
127823-21-6	(Octahydro-1H-4,7-methaninden-5-yl)methyl acrylate					
	Acute fish toxicity	LC50 1,8 mg/l	96 h	Danio rerio		OECD 203
	Acute algae toxicity	ErC50 1,15 mg/l	72 h	Pseudokirchneriellas ubcapitata		OECD 201
	Acute crustacea toxicity	EC50 2,64 mg/l	48 h	Daphnia magna		OECD 202
27813-02-1	Hydroxypropylmethacrylat					
	Acute fish toxicity	LC50 493 mg/l	96 h	Leuciscus idus(Goldorfe)		
	Acute algae toxicity	ErC50 > 97,2 mg/l	72 h	Pseudokirchneriellas ubcapitata	OECD 201	
	Acute crustacea toxicity	EC50 380 mg/l	48 h	Daphnia magna	OECD 202	
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50 227 mg/l	96 h	Pimephales promelas (fathead minnow)	Manufacturer	
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate					
	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(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahehexadecan-1,16-diylbismethacrylate	3,39
27813-02-1	Hydroxypropylmethacrylat	0,97
868-77-9	2-hydroxyethyl methacrylate	0,47

#### 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.

### 13. Disposal considerations

#### Waste treatment methods

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#### 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

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

450 L

#### Other applicable information (air transport)

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

#### Environmental hazards

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ENVIRONMENTALLY HAZARDOUS: Yes



## 15. Regulatory information

### U.S. Regulations

#### National regulatory information

SARA Section 311/312 Hazards:

7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahehexadecan-1,16-diylbismethacrylate (72869-86-4):

Immediate (acute) health hazard

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

(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate (127823-21-6): Immediate (acute) health hazard

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

2-hydroxyethyl methacrylate (868-77-9): Immediate (acute) health hazard

Silamine, 1,1,1 trimethyl-N-trimethylsilyl-hydrolyseprodukt mit Siliciumdioxid (68909-20-6): Delayed (chronic) health hazard

Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate (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

### Changes

Revision date: 27.08.2025

Revision No: 3

This data sheet contains changes from the previous version in section(s): 1,3,4,7,8,9,10,11.

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