

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

Revision: 27.08.2025

Product code: 3150

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

### 1.1. Product identifier

VITA VIONIC® BASE RESIN FLEX pink-translucent

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

#### Use of the substance/mixture

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

### 1.3. 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

### 1.4. Emergency telephone number:

+1-800-424-9300 (CHEMTREC)

### Further Information

medical device

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Skin Sens. 1B; H317  
STOT SE 3; H335  
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

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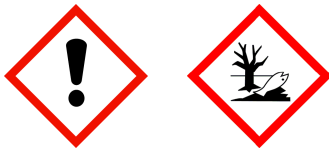
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#### Hazard components for labelling

7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate  
Isobornylmethacrylat  
(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate  
Hydroxypropylmethacrylat  
2-hydroxyethyl methacrylate  
Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate

**Signal word:** Warning

#### Pictograms:



#### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P501 Dispose of contents/container to an appropriate recycling or disposal facility.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of acrylic/methacrylic resins with additives

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#### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
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%
	276-957-5		01-2120751202-68	
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411			
7534-94-3	Isobornylmethacrylat			5 - < 20%
	231-403-1			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 3; H315 H319 H335 H412			
127823-21-6	(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate			5 - < 20%
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, STOT SE 3, Aquatic Chronic 2; H315 H319 H317 H335 H411			
27813-02-1	Hydroxypropylmethacrylat			5 - < 20%
	248-666-3		01-2119490226-37	
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
868-77-9	2-hydroxyethyl methacrylate			0,1 < 5 %
	212-782-2		01-2119490169-29	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
68909-20-6	Silamine, 1,1,1 trimethyl-N-trimethylsilyl-hydrolyseprodukt mit Siliciumdioxid			0,1 - < 5 %
	272-697-1			
	STOT RE 2; H373			
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate			0,1 < 5 %
	282-810-6		01-2119987994-10	
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
72869-86-4	276-957-5	7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylbismethacrylate	40- < 60%
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
7534-94-3	231-403-1	Isobornylmethacrylat	5 - < 20%
		dermal: LD50 = > 3000 mg/kg; oral: LD50 = > 2000 mg/kg	
127823-21-6		(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate	5 - < 20%
		oral: LD50 = 2000 mg/kg	
27813-02-1	248-666-3	Hydroxypropylmethacrylat	5 - < 20%
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 2000 mg/kg	
868-77-9	212-782-2	2-hydroxyethyl methacrylate	0,1 < 5 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = 5564 mg/kg	
84434-11-7	282-810-6	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate	0,1 < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	

#### SECTION 4: First aid measures

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#### **4.1. 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.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

#### **5.2. Special hazards arising from the substance or mixture**

Vapours may form explosive mixtures with air.

#### **5.3. Advice for firefighters**

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Avoid contact with eyes and skin.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

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

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

No special fire protection measures are necessary.

#### **7.2. 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).

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

#### **8.2. Exposure controls**

##### **Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/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.

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## SECTION 9: Physical and chemical properties

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

Physical state:

Colour: pink

Boiling point or initial boiling point and boiling range: 209 °C

Flash point: >93 °C

Auto-ignition temperature: 355 °C

Vapour pressure: 0,11 hPa  
(at 20 °C)

### 9.2. Other information

#### Information with regard to physical hazard classes

Oxidizing properties

Not oxidising.

## SECTION 10: Stability and reactivity

### 10.3. Possibility of hazardous reactions

Reacts with : Oxidizing agent ,Strong acid ,

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### 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	Chemical name				
	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-diylibismethacrylate				
	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		

#### 11.2. Information on other hazards

##### Further information

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

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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CAS No	Chemical name					
	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-diazahexadecan-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-methanoinden-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		

#### 12.2. Persistence and degradability

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
127823-21-6	(Octahydro-1H-4,7-methanoinden-5-yl)methyl acrylate				
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	11,8%	28		
	Nicht leicht biologisch abbaubar (nach OECD-Kriter				
27813-02-1	Hydroxypropylmethacrylat				
		94 %	28		

#### 12.3. Bioaccumulative potential

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#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72869-86-4	7,7,9(oder 7,9,9)-Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-diylobismethacrylate	3,39
27813-02-1	Hydroxypropylmethacrylat	0,97
868-77-9	2-hydroxyethyl methacrylate	0,47

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. 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.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Appropriate disposal / Package

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number or ID number:

UN 3082

##### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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

9

##### 14.4. Packing group:

III

Hazard label:



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

Tunnel restriction code:

-

#### Other applicable information (land transport)

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

#### Inland waterways transport (ADN)

##### 14.1. UN number or ID number:

UN 3082

##### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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

9

##### 14.4. Packing group:

III

Hazard label:



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

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Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 9  
**14.4. 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)

**14.1. UN number or ID number:** UN 3082  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 9  
**14.4. 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

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

Restrictions on use (REACH, annex XVII):  
 Entry 3

Information according to Directive 2012/18/EU (SEVESO III): E2 Hazardous to the Aquatic Environment

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#### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 3 - highly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

#### SECTION 16: Other information

##### Changes

This data sheet contains changes from the previous version in section(s): 1,3,4,7,8,9,10,11,15.

##### Abbreviations and acronyms

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Irrit. 2: Eye irritation, hazard category 2

Skin Sens. 1: Skin sensitisation, hazard category 1

Skin Sens. 1B: Skin sensitisation, hazard category 1B

STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3

STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

##### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	
Eye Irrit. 2; H319	
Skin Sens. 1B; H317	
STOT SE 3; H335	Calculation method
Aquatic Chronic 2; H411	Calculation method

##### Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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