

Safety Data Sheet

according to 29 CFR 1910.1200(g)

VITA VIONIC® TRY-IN RESIN

Revision date: 25.09.2024

Product code: 3135

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1. Identification

Product identifier

VITA VIONIC® TRY-IN RESIN

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Lichthärtendes Einkomponentenmaterial zur generativen Herstellung von dentalen Restaurationen wie provisorischen Kronen und Brücken.

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

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Suspected of damaging fertility or the unborn child

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-diylbismethacrylat-2-Hydroxyethylmethacrylat	20- < 40%
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	0,1 < 5 %
6606-59-3	1,6-Hexandioldmethacrylat	0,1 < 5 %
27813-02-1	Hydroxypropylmethacrylat	0,1 < 5 %
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	0,1 < 5 %
868-77-9	2-hydroxyethyl methacrylate	0.9 %

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

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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

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: zahnfarben

Test method

Boiling point or initial boiling point and boiling range: 315 °C

Flash point: >93 °C DIN 51755

Auto-ignition temperature: 445 °C

Decomposition temperature: >=190 °C

Vapor pressure: <1 hPa

(at 20 °C)

Density (at 20 °C): 1,1 g/cm³

Other information

Information with regard to physical hazard classes

Oxidizing properties

Not oxidising.

10. Stability and reactivity

Possibility of hazardous reactions

Oxidising agent

11. Toxicological information

Information on toxicological effects

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Acute toxicity

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

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

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		
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 5564 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit		

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; 2-hydroxyethyl methacrylate)

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.

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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

Ecotoxicity

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CAS No	Components					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Alkoxyliertes Phenol-Derivat, Methacrylat-Terminiert					
	Acute fish toxicity	LC50 >100 mg/l	96 h			
	Acute algae toxicity	ErC50 >100 mg/l	72 h			
	Acute crustacea toxicity	EC50 >100 mg/l	48 h			
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					
	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	
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	Desmodesmus subspicatus	OECD 201	
	Acute crustacea toxicity	EC50 > 1,175 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	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 380 mg/l	48 h	Daphnia magna	OECD 202	
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide					
	Acute algae toxicity	ErC50 > 2,01 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 3,53 mg/l	48 h	Daphnia magna(Großer Wasserfloh)		
	Acute bacteria toxicity	EC50 > 1000 mg/l ()	3 h			
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oryzias latipes		OECD 203
	Acute algae toxicity	ErC50 836 mg/l		Selenastrum capricornutum		OECD 201
	Acute crustacea toxicity	EC50 380 mg/l	48 h	Daphnia magna		OECD 202

Bioaccumulative potential

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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-diazaheptadecan-1,16-diylbismethacrylat2-Hydroxyethyl methacrylat	3,39
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	5,8
27813-02-1	Hydroxypropylmethacrylat	0,97
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	3,1

BCF

CAS No	Components	BCF	Species	Source
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl) -phosphine oxide	<5	Cyprinus carpio	OECD 305
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	47-55	Cyprinus carpio	

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

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):

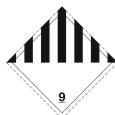
9

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-diazaheptadecan-1,16-diylbismethacrylat

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

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: 7,7 -Trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecan-1,16-dylbismethacrylat

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-diylobismethacrylat2
- 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
- 2-hydroxyethyl methacrylate (868-77-9): 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: 25.09.2024
Revision No: 2

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,13,14,16.

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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.)