

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA CEREC POWDER

Revision date: 14.02.2017

Product code: 107-US

Page 1 of 6

## 1. Identification

### Product identifier

VITA CEREC POWDER

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

#### Use of the substance/mixture

Auxiliary for manufacture of dental products

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

Company name: VITA Zahnfabrik H. Rauter GmbH & Co. KG

Post-office box: 1338

79704 Bad Säckingen

Telephone: +49(0)7761-562-0

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

e-mail: info@vita-zahnfabrik.com

Internet: www.vita-zahnfabrik.com

**Emergency phone number:** +49-(0)761-19240

### Further Information

medical device

## 2. Hazard(s) identification

### Classification of the chemical

#### 29 CFR Part 1910.1200

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

### Label elements

### Hazards not otherwise classified

No information available.

## 3. Composition/information on ingredients

### Mixtures

#### Chemical characterization

Product/Substance is inorganic.

### Hazardous components

CAS No	Components	Quantity
1314-23-4	Zirkonoxid	50 %
13463-67-7	Titandioxid	40 %

## 4. First-aid measures

### Description of first aid measures

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

### Most important symptoms and effects, both acute and delayed

No information available.

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

Treat symptomatically.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA CEREC POWDER

Revision date: 14.02.2017

Product code: 107-US

Page 2 of 6

#### 5. Fire-fighting measures

##### Extinguishing media

###### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

##### Specific hazards arising from the chemical

Non-flammable.

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

In case of fire: Wear self-contained breathing apparatus.

##### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### 6. Accidental release measures

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

Avoid generation of dust. Do not breathe dust.

##### Environmental precautions

Do not allow to enter into surface water or drains.

##### Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

##### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

#### 7. Handling and storage

##### Precautions for safe handling

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

No special measures are necessary.

###### **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 container tightly closed.

###### **Advice on storage compatibility**

No special measures are necessary.

#### 8. Exposure controls/personal protection

##### Control parameters

##### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
13463-67-7	Titanium dioxide Total dust	-	15		TWA (8 h)	PEL
13463-67-7	Titanium dioxide		10		TWA (8 h)	ACGIH-2016
557-05-1	Zinc stearate (total)	-	10		TWA (8 h)	REL
557-05-1	Zinc stearate Respirable fraction	-	5		TWA (8 h)	PEL

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## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA CEREC POWDER

Revision date: 14.02.2017

Product code: 107-US

Page 3 of 6

#### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. NBR (Nitrile rubber) Recommended glove articles KCL Dermatril P

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

Open windows to ensure natural ventilation.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: solid  
 Color: whitish  
 Odor: characteristic

#### Test method

pH-Value: not determined

#### Changes in the physical state

Melting point/freezing point: not determined  
 Initial boiling point and boiling range: X  
 Flash point: X

#### Flammability

Solid: not determined  
 Gas: not applicable

Lower explosion limits: not determined  
 Upper explosion limits: not determined

#### Auto-ignition temperature

Solid: not determined  
 Gas: not applicable

Decomposition temperature: not determined

#### Oxidizing properties

Not oxidizing.

Vapor pressure: >1100 hPa  
 (at 50 °C)

Density: 4,50000 g/cm<sup>3</sup>

Water solubility: No

#### Solubility in other solvents

not determined

Partition coefficient: not determined

Vapor density: not determined

Evaporation rate: not determined

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## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA CEREC POWDER

Revision date: 14.02.2017

Product code: 107-US

Page 4 of 6

Solid content:

100,0 %

## 10. Stability and reactivity

### Reactivity

No hazardous reaction when handled and stored according to provisions.

### Chemical stability

The product is stable under storage at normal ambient temperatures.

### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

none

### Incompatible materials

No information available.

### Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

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

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
13463-67-7	Titandioxid				
	dermal	LD50 mg/kg	>10000		

#### Irritation and corrosivity

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

#### Sensitizing effects

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

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

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.

Carcinogenicity (OSHA):

No ingredient of this mixture is listed.

Carcinogenicity (IARC):

Titanium dioxide (CAS 13463-67-7) is listed in group 2B.

Carcinogenicity (NTP):

No ingredient of this mixture is listed.

#### Aspiration hazard

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

#### Additional information on tests

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

## 12. Ecological information

### Ecotoxicity

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA CEREC POWDER

Revision date: 14.02.2017

Product code: 107-US

Page 5 of 6

The product is not: Ecotoxic.

#### **Persistence and degradability**

The product has not been tested.

#### **Bioaccumulative potential**

The product has not been tested.

#### **Mobility in soil**

The product has not been tested.

#### **Other adverse effects**

No information available.

#### **Further information**

Avoid release to the environment.

### 13. Disposal considerations

#### **Waste treatment methods**

##### **Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

### 14. Transport information

#### **Marine transport (IMDG)**

##### **UN 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:**

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 information available.

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

not applicable

### 15. Regulatory information

#### **U.S. Regulations**

##### **State Regulations**

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

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### 16. Other information

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### VITA CEREC POWDER

Revision date: 14.02.2017

Product code: 107-US

Page 6 of 6

Revision date: 14.02.2017

Revision No: 1

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

#### Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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