### 1. Identification

**Product identifier**

VITA INTERNO

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

Use of the substance/mixture

Use as laboratory reagent

**Details of the supplier of the safety data sheet**

<table>
<thead>
<tr>
<th>Company name:</th>
<th>VITA Zahnfabrik H. Rauter GmbH &amp; Co. KG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post-office box:</td>
<td>1338</td>
</tr>
<tr>
<td></td>
<td>79704 Bad Säckingen</td>
</tr>
<tr>
<td>Telephone:</td>
<td>+49(0)7761-562-0</td>
</tr>
<tr>
<td>e-mail:</td>
<td><a href="mailto:info@vita-zahnfabrik.com">info@vita-zahnfabrik.com</a></td>
</tr>
<tr>
<td>Internet:</td>
<td><a href="http://www.vita-zahnfabrik.com">www.vita-zahnfabrik.com</a></td>
</tr>
</tbody>
</table>

**Emergency phone number:** +49-(0)7761-562-0

**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

Ceramic Product/Substance is inorganic.

### 4. First-aid measures

**Description of first aid measures**

**After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**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.

### 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 dust formation. 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 (PPE): 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.  

Hints on joint storage  
No special measures are necessary.  

8. Exposure controls/personal protection  

Control parameters  

Exposure controls  

Protective and hygiene measures  
Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.  

Eye/face protection  
Wear eye protection/face protection.  

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. Recommended glove articles KCL Dermatril P NBR (Nitrile rubber)
Skin protection
Use of protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection. Provide adequate ventilation as well as local exhaust at critical locations. Technical ventilation of workplace

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: solid
Color:
Odor: characteristic
pH-Value: not determined

Changes in the physical state
Melting point/freezing point: not determined
Initial boiling point and boiling range: ?
Flash point: ?

Flammability
Solid: not determined
Gas: not applicable

Explosive properties
The product is not: Explosive.

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 oxidising.

Vapor pressure: <=1100 hPa
(at 50 °C)
Density: 2,40000 g/cm³
Water solubility: No

Solubility in other solvents
not determined
Partition coefficient: not determined
Vapor density: not determined
Evaporation rate: not determined

Other information
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/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.

**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):** No ingredient of this mixture is listed.

**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**

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

**12. Ecological information**

**Ecotoxicity**

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

Disposal recommendations
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. Handle contaminated packages in the same way as the substance itself.

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 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: 01.08.2019
Revision No: 2

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%
CLP: Classification, labelling and Packaging
Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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