Safety Data Sheet

VITA Zahnfabrik H. Rauter GmbH & Co. KG

VITA VM 11

Revision date: 09.02.2017
Product code: 103-US

1. Identification

Product identifier

VITA VM 11
CAS No: 65997-18-4

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

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

Label elements

Hazard not otherwise classified
No information available.

3. Composition/information on ingredients

Substances

Chemical characterization
Ceramic

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>65997-18-4</td>
<td>Keramische Fritte, Chemikalien</td>
<td>100 %</td>
</tr>
</tbody>
</table>

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.

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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 controls**

![Protective and hygiene measures](image)
- Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

**Eye/face protection**
- Dust protection eye glasses
**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**

Provide adequate ventilation as well as local exhaustion at critical locations. Technical ventilation of workplace

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>solid</td>
</tr>
<tr>
<td>Color</td>
<td>characteristic</td>
</tr>
<tr>
<td>pH-Value</td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### Changes in the physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point</td>
<td>not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

#### Flammability

<table>
<thead>
<tr>
<th>Property</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>not determined</td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

#### Auto-ignition temperature

<table>
<thead>
<tr>
<th>Property</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>not determined</td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

Decomposition temperature: not determined

#### Oxidizing properties

Not oxidizing.

#### Vapor pressure

(at 50 °C) <=1100 hPa

#### Density

2,50000 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: 0,0 %
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.

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.

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

Additional information on tests
This substance 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

Advice on disposal
Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Waste codes/waste designations according to EWC/AVV

Contaminated packaging
Wash with plenty of water. Completely emptied packages can be recycled. Waste codes/waste designations according to EWC/AVV

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

| Revision date: | 09.02.2017 |
| 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 |
Safety Data Sheet

according to 29 CFR 1910.1200(g)

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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.