1. Identification

Product identifier

VITA TITANKERAMIK

CAS No: 66402-68-4

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

medical device

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

Ceramic

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>66402-68-4</td>
<td>ceramics materials and frits</td>
<td>99 %</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.
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**
  - 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>Physical state:</th>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td></td>
</tr>
<tr>
<td>Odor:</td>
<td>odourless</td>
</tr>
</tbody>
</table>

Test method

pH-Value: not determined

Changes in the physical state

Melting point/freezing point: not determined

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: not determined
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

**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 mixture is classified as not hazardous according to regulation (EC) 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**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 13. Disposal considerations

**Waste treatment methods**

**Advice on disposal**

Waste codes/waste designations according to EWC/AVV Dispose of waste according to applicable legislation.

**Contaminated packaging**

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