1. Identification

Product identifier
VITA VMK Master
CAS No: 66402-68-4

Relevant identified uses of the substance or mixture and uses advised against

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 telephone number: +49-(0)761-19240

Further Information
medical device

2. Hazard identification

Classification of the substance or mixture

WHMIS 2015
This substance is not classified as hazardous in accordance with WHMIS 2015.

Label elements

Other hazards
No information available.

3. Composition/information on ingredients

Substances

Chemical characterization
Ceramic

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>66402-68-4</td>
<td>ceramics materials and frits</td>
<td>100 %</td>
</tr>
</tbody>
</table>

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.

Indication of immediate medical attention and special treatment needed
5. Fire-fighting measures

Extinguishing media
- Suitable extinguishing media
  Co-ordinate fire-fighting measures to the fire surroundings.

Specific hazards arising from the hazardous product
- 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
  Wear 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. Recommended glove articles KCL Dermatril P NBR (Nitrile rubber)

Skin protection
Wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation wear 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>solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td></td>
</tr>
<tr>
<td>Odour:</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

| pH-Value: | not determined |

<table>
<thead>
<tr>
<th>Changes in the physical state</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point:</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
</tr>
<tr>
<td>Flash point:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flammability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid:</td>
</tr>
<tr>
<td>Gas:</td>
</tr>
</tbody>
</table>

| Lower explosive limits: | not determined |
| Upper explosive limits: | not determined |

<table>
<thead>
<tr>
<th>Auto-ignition temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid:</td>
</tr>
<tr>
<td>Gas:</td>
</tr>
</tbody>
</table>

| Decomposition temperature: | not determined |

<table>
<thead>
<tr>
<th>Oxidizing properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not oxidizing.</td>
</tr>
</tbody>
</table>

| Vapour pressure: | \( \leq 1100 \text{ hPa} \) |
| (at 50 °C) |
| Density: | \( 2,40000 \text{ g/cm}^3 \) |
| Water solubility: | No |

<table>
<thead>
<tr>
<th>Solubility in other solvents</th>
</tr>
</thead>
<tbody>
<tr>
<td>not determined</td>
</tr>
</tbody>
</table>

| Partition coefficient: | not determined |
| Vapour density: | not determined |
| Evaporation rate: | not determined |

<table>
<thead>
<tr>
<th>Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid content:</td>
</tr>
</tbody>
</table>

10. Stability and reactivity
### 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.

- **STOT-single exposure**
  Based on available data, the classification criteria are not met.

- **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.

### 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.
- **United Nations 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.
- **United Nations 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

15. Regulatory information

Canadian regulations

16. Other information

**Further Information**

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