1. Identification

Product identifier

VITA VM 11
CAS No: 65997-18-4

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)7761-562-0

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>65997-18-4</td>
<td>Frits, chemicals</td>
<td>80 - 100% (*)</td>
</tr>
</tbody>
</table>

(*) The actual concentration is withheld as a trade secret.

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.
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 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: 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. NBR (Nitrile rubber) Recommended glove articles KCL Dermatril P.

Skin protection
Use of 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

- Physical state: solid
- Colour: characteristic
- pH-Value: not determined

Changes in the physical state
- Melting point: not determined
- Initial boiling point and boiling range: not determined
- Flash point: not applicable

Flammability
- Solid: not determined
- Gas: not applicable

Explosive properties
The product is not: Explosive.
- Lower explosive limits: not determined
- Upper explosive limits: not determined

Auto-ignition temperature
- Solid: not determined
- Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties
Not oxidising.
- Vapour pressure: <=1100 hPa
- (at 50 °C)
- Density: 2,50000 g/cm³
- Water solubility: No

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

Other information
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.

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
- The 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

- **Disposal recommendations**
  - 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.
- **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

#### 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
- **REACH:** Registration, Evaluation and Authorization of Chemicals
- **GHS:** Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
- **UN:** United Nations
- **DNEL:** Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
( Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see table at http://abbrev.esdscom.eu

Further Information
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.