

# Material Safety Data Sheet

## According to 91/155 EC

Printing date 07.11.2003

Reviewed on 07.11.2003

### 1 Identification of substance:

· **Product details:**

· **Trade name:** VITA VMK 95 METAL CERAMICS

· **Article number:** B30 + B33

· **Manufacturer/Supplier:**

VITA Zahnfabrik

H. Rauter GmbH & Co. KG

Postfach 1338

D 79704 Bad Säckingen

· **Information in case of emergency:** Tel.: ++49-(0)7761-562-0

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### 2 Composition/Data on components:

· **Chemical characterization:**

· **CAS No. Description:**

feldspar frits

· **Identification number(s):** None

### 3 Hazard identification

· **Hazard description:** Void

· **Information concerning to particular hazards to man and environment** not applicable

### 4 First aid measures

· **General information** No special measures required.

· **After inhalation** Supply fresh air.

· **After skin contact** Rinse with warm water.

· **After eye contact** Rinse opened eye for several minutes under running water.

· **After swallowing** If symptoms persist consult doctor.

### 5 Fire fighting measures

· **Suitable extinguishing agents** Use fire extinguishing methods suitable to surrounding conditions.

· **Protective equipment:** No special measures required.

### 6 Accidental release measures

· **Person-related safety precautions:**

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

· **Measures for environmental protection:** No special measures required.

· **Measures for cleaning/collecting:** Pick up mechanically.

· **Additional information:** No dangerous substances are released.

### 7 Handling and storage

· **Handling**

· **Information for safe handling:** Provide suction extractors if dust is formed.

· **Information about fire - and explosion protection:** Void

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- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

### 8 Exposure controls and personal protection gear

- **Ingredients with limit values that require monitoring at the workplace:**

**Feldspar frit**

OEL Long-term value: 10 mg/m<sup>3</sup>

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:** Not required.
- **Material of gloves -**
- **Penetration time of glove material -**
- **Eye protection:** Not required.

### 9 Physical and chemical properties:

- **General Information**

<b>Form:</b>	Powder
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Odourless

- **Change in condition**

**Melting point/Melting range:** ca 900°C  
**Boiling point/Boiling range:** undetermined

- **Flash point:** Not applicable
  - **Flammability (solid, gaseous)** Product is not flammable.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Density at 20°C:** 2.4 g/cm<sup>3</sup>
  - **Solubility in / Miscibility with**
- |                          |           |
|--------------------------|-----------|
| <b>Water:</b>            | Insoluble |
| <b>Organic solvents:</b> | 0.0 %     |

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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**· Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**12 Ecological information:**

· **General notes:** At present there are no ecotoxicological assessments.

**13 Disposal considerations****· Product:**

· **Recommendation** Disposal must be made according to official regulations.

**· Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· **Maritime transport IMDG:**

· **Marine pollutant:** No

**15 Regulations****· Labelling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

**· Safety phrases:**

22 Do not breathe dust.

**· National regulations**

· **Waterhazard class:** undetermined

**16 Other information:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **\* Data compared to the previous version altered.**