1. Identification

**Product identifier**

VITA VMK Master

**Substance name:** Staub a

**Recommended use of the chemical and restrictions on use**

**Use as laboratory reagent**

**Details of the supplier of the safety data sheet**

- Company name: VITA Zahnfabrik H.Rauter GmbH & Co.KG
- Street: Spitalgasse 3
- Place: D-79713 Bad Säckingen
- Post-office box: 1338
- D-79704 Bad Säckingen
- Telephone: +49(0)7761-562-0
- Telefax: +49(0)7761-562-299
- E-mail: info@vita-zahnfabrik.com
- Contact person: regulatory affairs
- E-mail: info@vita-zahnfabrik.com
- Internet: www.vita-zahnfabrik.com
- Responsible Department: Regulatory Affairs

**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**

**Hazards 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>86402-68-4</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.

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
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 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.

7. Handling and storage

Precautions for safe handling
No special measures are necessary.

Advice on protection against fire and explosion
No special fire protection measures are necessary.

Advice on general occupational hygiene
Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed.
8. Exposure controls/personal protection

Control parameters

Exposure controls

Individual protection measures, such as personal protective equipment

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
Use of 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

Physical state: solid
Color:
Odor: characteristic
Melting point/freezing point: not determined
Boiling point or initial boiling point and boiling range:
Flammability: not determined
Lower explosion limits: not applicable
Upper explosion limits: not determined
Flash point: not determined
Auto-ignition temperature: not determined
Decomposition temperature: not determined
pH-Value: not determined
Water solubility: No
Solubility in other solvents not determined
Partition coefficient n-octanol/water: not determined
Vapor pressure: <=1100 hPa
(at 50 °C)
Density: 2.40000 g/cm³
Relative vapour density: not determined

Other information

Information with regard to physical hazard classes
### Explosive properties
The product is not: Explosive.

### Self-ignition temperature
- **Solid:** not determined
- **Gas:** not applicable

### Oxidizing properties
Not oxidising.

### Other safety characteristics
- **Evaporation rate:** not determined
- **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.

- **Carcinogenicity (OSHA):** Not listed.
- **Carcinogenicity (IARC):** Not listed.
- **Carcinogenicity (NTP):** Not listed.

##### 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.

Endocrine disrupting properties
This substance does not have endocrine disrupting properties with respect to non-target organisms.

Other adverse effects
No information available.

Further information
Avoid release to the environment.

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.

Contaminated packaging
Wash with plenty of water. Completely emptied packages can be recycled.

14. Transport information

Marine transport (IMDG)
UN number or ID 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 or ID 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 can not expose you to chemicals known to the State of California to cause cancer, birth defects or
other reproductive harm.

16. Other information

Changes

Revision date: 15.08.2023
Revision No: 6

This data sheet contains changes from the previous version in section(s): 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%
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised 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

Other data

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.