1. Identification

Product identifier
- VITA AKZENT Plus POWDER FLUID
- CAS No: 111-29-5

Recommended use of the chemical and restrictions on use
- 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
- e-mail: info@vita-zahnfabrik.com
- Internet: www.vita-zahnfabrik.com
- Telefax: +49(0)7761-562-299

Emergency phone number: +49-(0)7761-562-0

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
  - Substance, organic

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**

- **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**

- Use personal protection equipment.

**Environmental precautions**

- Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up**

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

- Safe handling: see section 7
- Personal protection equipment (PPE): 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
According to 29 CFR 1910.1200(g)

VITA Zahnfabrik H. Rauter GmbH & Co. KG

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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.

Skin protection
Use of protective clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>colorless</td>
</tr>
<tr>
<td>pH-Value:</td>
<td>not determined</td>
</tr>
</tbody>
</table>

Changes in the physical state

<table>
<thead>
<tr>
<th>Melting point/freezing point:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>239 °C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>135 °C</td>
</tr>
</tbody>
</table>

Flammability

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

Explosive properties

The product is not: Explosive.

| Lower explosion limits:       | not determined |
| Upper explosion limits:       | not determined |

Auto-ignition temperature

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

Decomposition temperature:

| not determined |

Oxidizing properties

Not oxidising.

| Vapor pressure:              | <=1100 hPa |
| (at 50 °C)                   |             |
| Density:                     | 0,99000 g/cm³ |

Solubility in other solvents

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

Other information

| Solid content:               | 0,0 % |

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/none

**Incompatible materials**
No information available.

**Hazardous decomposition products**
No known hazardous decomposition products.

### 11. Toxicological information

**Information on toxicological effects**

- **Carcinogenicity (OSHA):** No ingredient of this mixture is listed.
- **Carcinogenicity (IARC):** No ingredient of this mixture is listed.
- **Carcinogenicity (NTP):** No ingredient of this mixture is listed.

**Additional information on tests**
The mixture 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.

**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:** 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 can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

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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
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.

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