1. Identification

**Product identifier**

VITA FIRING PASTE

**CAS No:**

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

**Use of the substance/mixture**

Auxiliary for manufacture of dental products Fixing agent

**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

Emergency phone number: +49-(0)761-19240

2. Hazard(s) identification

**Classification of the chemical**

29 CFR Part 1910.1200

**Hazard categories:**

Carcinogenicity: Carc. 1B

**Hazard Statements:**

May cause cancer

**Label elements**

29 CFR Part 1910.1200

**Signal word:** Danger

**Pictograms:**


**Hazard statements**

May cause cancer

**Precautionary statements**

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Store locked up.

**Hazards not otherwise classified**

No information available.

3. Composition/information on ingredients

**Mixtures**

**Hazardous components**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>142844-00-6</td>
<td>Aluminosilicate fibre, dioxosilane</td>
<td>9 %</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. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary.

**After contact with eyes**
Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**
Rinse mouth immediately and drink plenty of water.

**Most important symptoms and effects, both acute and delayed**
No information available.

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**

- Wear a self-contained breathing apparatus and chemical protective clothing, Full protection suit.

**Additional information**

- Suppress gases/vapours/mists with water spray jet.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

- Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**Environmental precautions**

- No special environmental measures are necessary. Clean contaminated objects and areas thoroughly observing environmental regulations.

**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**

- If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid generation of dust.
- Do not breathe dust.

**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. Keep locked up. Store in a place accessible by authorized persons only.
Provide adequate ventilation as well as local exhaustion at critical locations.

Advice on storage compatibility
No special measures are necessary.

8. Exposure controls/personal protection

Control parameters

Exposure controls

Appropriate engineering controls
If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures
Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection
Wear eye/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. Recommended glove articles KCL Dermatril P NBR (Nitrile rubber) Breakthrough time (maximum wearing time) 480 min

Skin protection
Wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection. FFP2 Avoid generation of dust. Dust must be exhausted directly at the point of origin.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:
Color: blue
Odor: none

Test method
pH-Value:
not determined

Changes in the physical state
Melting point/freezing point: 1752 °C
Initial boiling point and boiling range: ?
Flash point: ?
Flammability
- Solid: not determined
- Gas: not applicable

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

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

Decomposition temperature: not determined

Oxidizing properties
- Not oxidizing.

Vapor pressure: <=1100 hPa
(at 50 °C)
Density: 2,5-2,72 g/cm³
Water solubility: No

Solubility in other solvents
- not determined

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

Other information
Solid content: 9,00 %

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
- 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
- This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. Special hazards arising from the substance or mixture!
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

Advice on disposal
- Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging
- This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself. Dampen dust and place it in a properly closed receptacle and dispose of it safely.

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

National regulatory information
- SARA Section 311/312 Hazards:
Aluminosilicate fibre, dioxosilane (142844-00-6): Delayed (chronic) health hazard, Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)
This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Revision date: 20.06.2017
Revision No: 1

Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(IMDG: International Agreement concerning the International Carriage of Dangerous Goods by Road)
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%

Other data
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.

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