1. Identification

Product identifier

VITA FIRING PASTE
CAS No: -

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture
Auxiliary for manufacture of dental products

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)761-19240

2. Hazard identification

Classification of the substance or mixture

WHMIS 2015
Skin corrosion/irritation: Skin Irrit. 2
Carcinogenicity: Carc. 1B

Label elements

WHMIS 2015
Signal word: Danger

Pictograms:

Hazard statements
Causes skin irritation.
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.

Other hazards
No information available.

3. Composition/information on ingredients

Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>142844-00-6</td>
<td>Aluminosilicate fibre, dioxosilane</td>
<td>10 - &lt; 30% (*)</td>
</tr>
</tbody>
</table>

(*) The actual concentration is withheld as a trade secret.
4. First-aid measures

**Description of first aid measures**

**General information**
When in doubt or if symptoms are observed, get medical advice.

**After inhalation**
Provide fresh air.

**After contact with skin**
Wash with plenty of water. Immediately remove any contaminated clothing, shoes or stockings.

**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, whether acute or delayed**
No information available.

**Indication of 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 hazardous product**
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.

**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**
If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. 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.

Hints on joint storage
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, 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. Recommended glove articles KCL Dermatril P NBR (Nitrile rubber) Breakthrough time (maximum wearing time) 480 min

Skin protection
Use of protective clothing.

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

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:
Colour: white
Odour: none
pH-Value: not determined

Changes in the physical state
Melting point: 1752 °C
Initial boiling point and boiling range: ?
Flash point: 

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: 2.5-2.72 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
  Solid content: 50 %

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

Additional information on tests
  The 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

Disposal recommendations
Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging
Hazardous waste according to Directive 2008/98/EC (waste framework directive). 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.

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 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

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.

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