SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
   VITA Karat Diamond Polishing Paste

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Use of the substance/mixture
   Abrasive Use as laboratory reagent

1.3. 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
   1.4. Emergency telephone number: +49-(0)7761-562-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Regulation (EC) No. 1272/2008
   This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements
   No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
   Chemical characterization
   Mixtures Substance, organic Abrasive

SECTION 4: First aid measures

4.1. 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.

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

4.3. Indication of any immediate medical attention and special treatment needed
   Treat symptomatically.
SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media
  Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

- Non-flammable.

5.3. Advice for firefighters

- 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protection equipment.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

- Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

- Safe handling: see section 7
- Personal protection equipment: see section 8
- Disposal: see section 13

SECTION 7: Handling and storage

7.1. 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.

7.2. 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.

7.3. Specific end use(s)

- Use as laboratory reagent Abrasive

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. 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 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 dernatril P NBR (Nitrile rubber)

Skin protection
Use of protective clothing.

Respiratory protection
B150621 Open windows to ensure natural ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:
Colour: dark pink
Odour: characteristic

pH-Value: not determined

Changes in the physical state
Melting point: not determined
Initial boiling point and boiling range: ??
Flash point: 270 °C

Flammability
Solid: not determined
Gas: not applicable

Explosive properties
The product is not: Explosive.
Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature
Solid: not determined
Gas: not applicable
Decomposition temperature: > 150 °C

Oxidizing properties
Not oxidising.
Vapour pressure: not determined
Density (at 20 °C): 0,93 g/cm³
Water solubility: No

Solubility in other solvents
not determined
Partition coefficient: not determined
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information
Solid content: 10,0 %

SECTION 10: Stability and reactivity
10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
none

10.5. Incompatible materials
No information available.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. 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.

Sensitising 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.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Additional information on tests
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity
The product is not: Ecotoxic.

12.2. Persistence and degradability
The product has not been tested.

12.3. Bioaccumulative potential
The product has not been tested.

12.4. Mobility in soil
The product has not been tested.

12.5. Results of PBT and vPvB assessment
The product has not been tested.

12.6. Other adverse effects
No information available.

Further information
Avoid release to the environment.
SECTION 13: Disposal considerations

13.1. 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.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.

14.4. Packing group:
No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.

14.4. Packing group:
No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.

14.4. Packing group:
No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
No dangerous good in sense of this transport regulation.

14.4. Packing group:
No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information
Information according to 2012/18/EU (SEVESO III):
Not subject to 2012/18/EU (SEVESO III)

National regulatory information
Water hazard class (D):
1 - slightly hazardous to water

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.
### Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ADR</td>
<td>Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
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<tr>
<td>IMDG</td>
<td>International Maritime Code for Dangerous Goods</td>
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<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System of Classification and Labelling of Chemicals</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
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<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
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<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal concentration, 50%</td>
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<tr>
<td>LD50</td>
<td>Lethal dose, 50%</td>
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<tr>
<td>CLP</td>
<td>Classification, labelling and Packaging</td>
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<tr>
<td>REACH</td>
<td>Registration, Evaluation and Authorization of Chemicals</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonised System of Classification, Labelling and Packaging of Chemicals</td>
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<tr>
<td>UN</td>
<td>United Nations</td>
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<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
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<tr>
<td>DMEL</td>
<td>Derived Minimal Effect Level</td>
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<tr>
<td>PNEC</td>
<td>Predicted No Effect Concentration</td>
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<tr>
<td>ATE</td>
<td>Acute toxicity estimate</td>
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<tr>
<td>LL50</td>
<td>Lethal loading, 50%</td>
</tr>
<tr>
<td>EL50</td>
<td>Effect loading, 50%</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration 50%</td>
</tr>
<tr>
<td>ErC50</td>
<td>Effective Concentration 50%, growth rate</td>
</tr>
<tr>
<td>NOEC</td>
<td>No Observed Effect Concentration</td>
</tr>
<tr>
<td>BCF</td>
<td>Bio-concentration factor</td>
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<tr>
<td>PBT</td>
<td>persistent, bioaccumulative, toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>very persistent, very bioaccumulative</td>
</tr>
<tr>
<td>RID</td>
<td>Regulations concerning the international carriage of dangerous goods by rail</td>
</tr>
<tr>
<td>ADN</td>
<td>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)</td>
</tr>
<tr>
<td>EmS</td>
<td>Emergency Schedules</td>
</tr>
<tr>
<td>MFAG</td>
<td>Medical First Aid Guide</td>
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<tr>
<td>ICAO</td>
<td>International Civil Aviation Organization</td>
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<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Marine Pollution from Ships</td>
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<tr>
<td>IBC</td>
<td>Intermediate Bulk Container</td>
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<tr>
<td>SVHC</td>
<td>Substance of Very High Concern</td>
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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.)*