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

1.1. Product identifier
Flexistone® Plus (Base + Catalyst)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture
Isolating material for use in dentistry.

1.3. Details of the supplier of the safety data sheet
Company name: DETAX GmbH & Co. KG
Street: Carl-Zeiss-Strasse
Place: D-76275 Ettlingen
Telephone: +49 7243/510-0
Fax: +49 7243/510-100
E-mail: post@detax.de
Internet: www.detax.de

1.4. Emergency telephone number:

SECTION 2: Hazards identification

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

2.2. Label elements
Special labelling of certain mixtures
EUH210 Safety data sheet available on request.

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Chemical characterization
Contains polydimethylsiloxane with functional groups. + fillers and pigment catalyst: additionally platinum complex compound.

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>14464-46-1</td>
<td>cristobalite flour</td>
<td>65 - 70%</td>
</tr>
</tbody>
</table>

Full text of H and EUH phrases: see section 16.

SECTION 4: First aid measures
4.1. Description of first aid measures

After inhalation
Provide fresh air. Medical treatment necessary.

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

After contact with eyes
After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. Consult an
ophthalmologist.

After ingestion
Rinse mouth immediately and drink plenty of water. Let water be drunken in little sips ( dilution effect).
Do not induce vomiting. If you feel unwell, seek medical advice.

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. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus.

Additional information
Use water spray jet to protect personnel and to cool endangered containers. Suppress
gases/vapours/mists with water spray jet. 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
Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes
and clothes. 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
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.

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
If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe
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. Keep locked up. Store in a place accessible by authorized persons only.
Provide adequate ventilation as well as local exhaust at critical locations.

Advice on storage compatibility
Do not store with acids, lyes, alcohols, metallic powders and metallic oxides (release of hydrogen is
favoured). Do not store with acids, lyes, alcohols, metallic powders and metallic oxides (release of
hydrogen is favoured).

Further information on storage conditions
Keep only in the original container in a cool, dry and well-ventilated place, away from foodstuffs.

7.3. Specific end use(s)
Putty for use in dental laboratories.
For use by trained specialist staff.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. 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.
Suitable are gloves of the following material: NBR (Nitrile rubber)

Skin protection
Wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste
Colour: base: ligth blue, catalyst: white
Odour: characteristic

Test method
pH-Value: not determined

**Changes in the physical state**
Melting point: not determined
Initial boiling point and boiling range: not determined
Flash point: >100 °C DIN 51755

**Flammability**
- Solid: not applicable
- Gas: not determined
Lower explosion limits: not determined
Upper explosion limits: not determined
Ignition temperature: >400 °C DIN 51794

**Auto-ignition temperature**
- Solid: not applicable
- Gas: not determined
Decomposition temperature: >180 °C

**Oxidizing properties**
Not oxidizing.
Vapour pressure: <10 hPa
(at 20 °C)
Density (at 20 °C): 1,56 g/cm³ DIN 51757
Water solubility: insoluble

**Solubility in other solvents**
not determined

Partition coefficient: not determined
Viscosity / dynamic:
(at 23 °C) 30000 mPa·s BROOKFIELD
Vapour density: not determined
Evaporation rate: not determined

**9.2. Other information**
Solid content: not determined

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**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
Reacts with:

10.4. Conditions to avoid
Temperatures > 150°C/ 302 °F.

10.5. Incompatible materials
No information available.

10.6. Hazardous decomposition products
In case of thermic decomposition hydrogen is released.
### SECTION 11: Toxicological information

11.1. Information on toxicological effects

**Acute toxicity**
Based on available data, the classification criteria are not met. For the product itself no toxicological data are available. In products with a comparable composition, a LD50 (orally, species rat) of > 5000 mg/kg has been found.

**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.

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

**Severe effects after repeated or prolonged exposure**
Based on available data, the classification criteria are not met. Due to physical form (paste) classification with H372 is not appropriate. An inhalation of the product is not possible.

**Carcinogenic/mutagenic/toxic effects for reproduction**
Based on available data, the classification criteria are not met.

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

### 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
Not identified as PBT/ vPvB substances

12.6. Other adverse effects
No information available.

**Further information**
Avoid release to the environment.

### SECTION 13: Disposal considerations

13.1. 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.

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)

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.

14.6. Special precautions for user
No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.
SECTION 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%

Relevant H- and EUH-phrases (Number and full text)

H372 Causes damage to organs (lung) through prolonged or repeated exposure if inhaled.
EUH210 Safety data sheet available on request.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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