Material Safety Data Sheet
Correct VPS® Impression Materials Base

1. Identification of the material and supplier

Names
Product name: Correct VPS® Impression Materials Base
ADG: Not regulated.
Manufacturer: Pentron Clinical
Unit 10, 112-118 Talavera Road
North Ryde, NSW 2113
Australia
Telephone no.: 1 800 643 603
Email general queries: kerraust.orders@sybrondental.com
Email technical queries: peter.green@sybrondental.com

Emergency telephone number: 61 401 690 670 (24 hours)

Uses
Area of application: Professional applications.
Material uses: Dental product: Denture impression material.
Product type: Gel. Putty.

2. Hazards identification

Classification: Not regulated.
Risk phrases: Not classified.
Statement of hazardous/dangerous nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Health effects are based on the uncured material.

3. Composition/information on ingredients

Mixture: Yes.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica crystalline</td>
<td>14464-46-1</td>
<td>30-60</td>
</tr>
<tr>
<td>crystalline silica non-respirable</td>
<td>14808-60-7</td>
<td>30-60</td>
</tr>
<tr>
<td>Talc (containing no asbestos fibres)</td>
<td>14807-96-6</td>
<td>10-30</td>
</tr>
<tr>
<td>magnesium carbonate</td>
<td>546-93-0</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Kieselguhr, soda ash flux-calcedined</td>
<td>68855-54-9</td>
<td>&lt;10</td>
</tr>
<tr>
<td>White mineral oil (petroleum)</td>
<td>8042-47-5</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First-aid measures

First-aid measures
Inhalation: No special measures required. If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Get medical attention if adverse health effects persist or are severe.
4. First-aid measures

**Skin contact**: No special measures required. In case of contact, immediately flush skin with plenty of water. Get medical attention if symptoms occur.

**Eye contact**: No special measures are required. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Protection of first-aiders**: In case of major fire and large quantities: No action shall be taken involving any personal risk or without suitable training.

**Advice to doctor**: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

**Extinguishing media**
- **Suitable**: Use an extinguishing agent suitable for the surrounding fire.
- **Not suitable**: None known.
- **Special exposure hazards**: In case of major fire and large quantities: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
  - In a fire or if heated, a pressure increase will occur and the container may burst.
- **Hazardous thermal decomposition products**: Decomposition products may include the following materials:
  - Carbon dioxide
  - Carbon monoxide
  - Sulfur oxides
  - Halogenated compounds
  - Metal oxide/oxides
- **Special protective equipment for fire-fighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

**Personal precautions**: Low release. For professional use only. Handling of product in very small amounts or in situations where release is highly unlikely.

**Environmental precautions**: Low release. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**
- **Small spill**: Small Quantity. For professional use only. Absorb with an inert material and place in an appropriate waste disposal container.
- **Large spill**: Small Quantity. For professional use only. Absorb with an inert material and place in an appropriate waste disposal container.

7. Handling and storage

**Handling**: No special measures are required for small quantities under normal and intended conditions of product use. For professional use only. Put on appropriate personal protective equipment (see Section 8). Handle with care and dispose of in a safe manner.

**Storage**: Store between the following temperatures: 20 to 25°C (68 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**Combustible liquid**: Not applicable.
8. Exposure controls/personal protection

### Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica crystalline</td>
<td><strong>Safe Work Australia (Australia, 1/2014).</strong> TWA: 0.1 mg/m³ 8 hours. Form: Respirable dust</td>
</tr>
<tr>
<td>Crystalline silica non-respirable</td>
<td><strong>Safe Work Australia (Australia, 1/2014).</strong> TWA: 0.1 mg/m³ 8 hours. Form: Respirable dust</td>
</tr>
<tr>
<td>Talc (containing no asbestos fibres)</td>
<td><strong>Safe Work Australia (Australia, 1/2014).</strong> TWA: 2.5 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>Magnesium carbonate</td>
<td><strong>Safe Work Australia (Australia, 1/2014).</strong> TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>Kieselguhr, soda ash flux-calcined</td>
<td><strong>EH40/2005 WELs (United Kingdom (UK), 12/2011).</strong> TWA: 6 mg/m³ 8 hours. Form: inhalable dust TWA: 2.4 mg/m³ 8 hours. Form: respirable dust</td>
</tr>
<tr>
<td>White mineral oil (petroleum)</td>
<td><strong>Safe Work Australia (Australia, 1/2014).</strong> TWA: 5 mg/m³ 8 hours. Form: mist</td>
</tr>
</tbody>
</table>

#### Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### Exposure controls

#### Engineering measures

No special measures are required for small quantities under normal and intended conditions of product use.

#### Hygiene measures

No special measures are required for small quantities under normal and intended conditions of product use.

#### Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

#### Respiratory

No special measures are required for small quantities under normal and intended conditions of product use.

#### Skin

No special measures are required for small quantities under normal and intended conditions of product use.

#### Environmental exposure controls

No special measures are required for small quantities under normal and intended conditions of product use.

### Physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid. [Gel. Putty.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Various</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Closed cup: 250°C (482°F)</td>
</tr>
<tr>
<td>Flammable limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
9. Physical and chemical properties

- **pH**: Not available.
- **Viscosity**: Not available.
- **Auto-ignition temperature**: Not available.
- **Solubility**: Insoluble in the following materials: cold water and hot water.

10. Stability and reactivity

- **Chemical stability**: The product is stable.
- **Possibility of hazardous reactions**: Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
- **Conditions to avoid**: Keep away from heat and direct sunlight.
- **Materials to avoid**: Reactive or incompatible with the following materials: oxidizing materials and reducing materials. Initiators.
- **Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

**Potential acute health effects**
- **Inhalation**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.
- **Skin contact**: No known significant effects or critical hazards.
- **Eye contact**: No known significant effects or critical hazards.

**Acute toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>magnesium carbonate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>8000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>White mineral oil</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

**Conclusion/Summary**: Non-cytotoxic. Based on analysis and test results, this product is considered as biocompatible per EN ISO 7405:2008 and EN ISO 10993-1:2009.

**Potential chronic health effects**

- **Chronic toxicity**: Not available.
- **Irritation/Corrosion**: Not available.
- **Sensitiser**: Not available.
- **Carcinogenicity**: Not available.
- **Mutagenicity**: Not available.
- **Teratogenicity**: Not available.
- **Reproductive toxicity**: Not available.
- **Chronic effects**: No known significant effects or critical hazards.
- **Carcinogenicity**: No known significant effects or critical hazards.
11 . Toxicological information

Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms
Inhalation : No specific data.
Ingestion : No specific data.
Skin : No specific data.
Eyes : No specific data.
Target organs : Contains material which may cause damage to the following organs: kidneys, lungs, cardiovascular system, upper respiratory tract, skin, eyes.

12 . Ecological information

Ecotoxicity : No known significant effects or critical hazards.
Aquatic ecotoxicity
Conclusion/Summary : Not available.
Other ecological information
Persistence/degradability
Conclusion/Summary : Not available.
Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>White mineral oil (petroleum)</td>
<td>&gt;6</td>
<td>-</td>
<td>high</td>
</tr>
</tbody>
</table>

Other adverse effects : No known significant effects or critical hazards.

13 . Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14 . Transport information

International transport regulations
ADG/ADR/IMDG/IATA : Not regulated.

15 . Regulatory information

Standard Uniform Schedule of Medicine and Poisons
Not regulated.
Control of Scheduled Carcinogenic Substances
No listed substance
Australia inventory (AICS) : Not determined.
EU Classification : Not classified.
16. Other information

Person who prepared the MSDS : 
Date of previous issue : No previous validation
Date of issue/ Date of revision : 6/4/2015
Version : 1

Indicates information that has changed from previously issued version.

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.