Section 1: Identification of the material and the Supplier

Product identifier  SR Ivocap High Impact Polymer
Product use  Denture base material

Distributor information
Company identification  Ivoclar Vivadent (NZ) Ltd
Address  12 Omega Street, Rosedale, Auckland, New Zealand
Telephone Number  0508 486 252
Emergencies within New Zealand  0800 764 766 (National Poison Control Centre)

Section 2: Hazards Identification

Product is classified as hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001
NZ Group Standard &  Dental Products (Subsidiary)
EPA Approval Code  HSR002558

Hazard Classification  Hazard Code  Hazard Statement
6.5B  H317  May cause an allergic skin reaction.

Prevention Code  Prevention Statement
P103  Read label before use.
P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P272  Contaminated work clothing should not be allowed out of the workplace.
P280  Wear protective gloves/protective clothing/eye protection/face protection.

Response Code  Response Statement
P302 + P352  IF ON SKIN: Wash with plenty of soap and water.
P333 + P313  If skin irritation or rash occurs: Get medical advice/attention.
P321  Specific treatment see Section 4. First Aid Measures.
P363  Wash contaminated clothing before reuse.

Storage Code  Storage Statement
-  No storage statements.

Disposal Code  Disposal Statement
P501  Dispose of according to Local Regulations.

Section 3: Composition/Information on Ingredients

Chemical characterization  Mixtures.
Description  Mixture of substances listed below with non-hazardous additions.

Dangerous components:

| CAS: 94-36-0 | dibenzoyl peroxide | 0.3-%<1% |

Additional information  For the wording of the listed risk phrases refer to section 16.
### Section 4: First Aid Measures

**General information**
No special measures required.

**After inhalation**
Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

**After skin contact**
Rinse with water. If skin irritation continues, consult a doctor.

**After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing**
Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

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

**Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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### Section 5: Fire Fighting Measures

**Extinguishing media:**

**Suitable extinguishing agents**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture**
No further relevant information available.

**Advice for firefighters:**

**Protective equipment**
No special measures required.

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### Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust. Particular danger of slipping on leaked/spilled product.

**Environmental precautions**
No special measures required.

**Methods and material for containment and cleaning up**
Pick up mechanically.

**Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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### Section 7: Handling and Storage

**Precautions for safe handling**
Only adequately trained personnel should handle this product. For use in dentistry only.

**Information about fire - and explosion protection**
No special measures required.

**Conditions for safe storage, including any incompatibilities:**

**Storage:**
Store only in the original receptacle.

**Requirements to be met by storerooms and receptacles**
Not required.

**Information about storage in one common storage facility**
Protect from heat and direct sunlight.

**Further information about storage conditions**
No further relevant information available.

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### Section 8: Exposure Controls/Personal Protection

**Additional information about design of technical facilities**
No further data; see item 7.
Control parameters:

<table>
<thead>
<tr>
<th>Ingredients with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>94-36-0 dibenzoyl peroxide</td>
</tr>
<tr>
<td>WEL</td>
</tr>
<tr>
<td>Long-term value: 5 mg/m³</td>
</tr>
</tbody>
</table>

Additional information: The lists valid during the making were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures: Usual hygienic measures for dental practice. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the skin.

Respiratory protection: Use respiratory protective device against the effects of dust.

Protection of hands: Protective gloves. After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves: Butyl rubber, BR / Chloroprene rubber, CR / Natural rubber, NR / Nitrile rubber, NBR / Fluorocarbon rubber (Viton). Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

General Information:

Appearance:

<table>
<thead>
<tr>
<th>Form</th>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>According to product specification</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Change in condition:

| Melting point/Melting range   | Undetermined |
| Boiling point/Boiling range   | Undetermined |
| Flash point                   | Not applicable |
| Flammability (solid, gaseous) | Not determined |
| Self-igniting                 | Product is not self igniting |
| Danger of explosion           | Product does not present an explosion hazard |

Explosion limits:

<p>| Lower | Not determined |
| Upper | Not determined |
| Vapour pressure | Not applicable |
| Density | Not determined |
| Relative density | Not determined |</p>
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility in/Miscibility with water</td>
<td>Nearly insoluble</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity: Dynamic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity: Kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Other information</td>
<td>No further relevant information available</td>
</tr>
</tbody>
</table>

**Section 10: Stability and Reactivity**

- Reactivity: No further relevant information available.
- Chemical stability: Stable under normal handling and storage conditions.
- Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: None under normal conditions of storage and use.

**Section 11: Toxicological Information**

- Information on toxicological effects:
  - Acute toxicity:
  - Primary irritant effect:
    - On the skin: No irritant effect.
    - On the eye: No irritating effect.
    - Sensitization: No sensitising effects known.
  - Additional toxicological information: No further relevant information available.

**Section 12: Ecological Information**

- Toxicity:
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Bio accumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment:
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.
**Section 13: Disposal Considerations**

Waste treatment methods:

**Recommendation**
Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

**European waste catalogue**

| 20 01 39 | plastics |

Uncleaned packaging:

**Recommendation**
Disposal must be made according to official regulations.

**Section 14: Transport Information**

This product is not a Dangerous Good for Road and Rail transport in New Zealand according to NZS 5433 Safe Transport of Dangerous Goods.

**Section 15: Regulatory Information**

<table>
<thead>
<tr>
<th>NZ Group Standard &amp;</th>
<th>Dental Products (Subsidiary)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Approval Code</td>
<td>HSR002558</td>
</tr>
</tbody>
</table>

**HSNO Controls:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger quantities for this substance:</td>
<td></td>
</tr>
<tr>
<td><strong>Approved Handler</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Location Certificate</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Tracking Trigger Quantities</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Signage Trigger Quantities</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Emergency Response Plan</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Trigger Quantities</strong></td>
<td>1,000 L (liquid) / kg (solid)</td>
</tr>
</tbody>
</table>

**Section 16: Other Information**

**Relevant phrases:**

- **H241** Heating may cause a fire or explosion.
- **H317** May cause an allergic skin reaction.
- **H319** Causes serious eye irritation.

This document has been compiled by Ivoclar Vivadent Ltd on behalf of the manufacturer of the product and serves as the manufacturer’s Safety Data Sheet (‘SDS’). It is based on information concerning the product which has been provided to Ivoclar Vivadent (NZ) Ltd by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Ivoclar Vivadent (NZ) Ltd has taken all care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Ivoclar Vivadent (NZ) Ltd accepts no liability or any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS. The information herein is given in good faith, but no warranty, express or implied is made.

**Issue date:** 21 May 2015  
**Date Ivoclar Vivadent Ltd prepared:** 18 May 2015  
**Review date:** 21 May 2020