1. Chemical Product and Contact Information

Product Name: TempSpan® CMT Temporary Crown & Bridge Cement

Material Safety Sheet Number: 00289
Date of Issue: 05/04/04
Revision Date: 05/15/06
Company Identification: Pentron Clinical Technologies, LLC
68 N. Plains Industrial Rd.
Wallingford, CT U.S.A. 06492
Phone: 800-551-0283
203-265-7397
Emergency Information Chemtrec: 800-424-9300
Chemtrec International: 202-483-7616

2. Composition/Information on Ingredients

Chemical characteristics: A paste-paste resin cement that is a mixture of methacrylate resins and polymer resin, barumborsilicate glasses*, barium sulfate, potassium nitrate, sodium flouride, calcium phosphate, silica, with amines, peroxide, photo initiator, stabilizers and pigment.

*contains a small amount of aluminum oxide.

<table>
<thead>
<tr>
<th>Element</th>
<th>CAS #</th>
<th>Exposure Limit mg/m3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Monomethacrylate</td>
<td>None</td>
<td>N/E</td>
</tr>
<tr>
<td>Proprietary Polymer Resin</td>
<td>None</td>
<td>N/E</td>
</tr>
<tr>
<td>Barium Sulfate (BaSO4)</td>
<td>7727-43-7</td>
<td>15 (Total Dust)</td>
</tr>
<tr>
<td>Bariumborosilicate glass</td>
<td>65997-17-3</td>
<td>N/E</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>69012-64-2</td>
<td>Unknown</td>
</tr>
<tr>
<td>Pigments</td>
<td>Various</td>
<td>N/E</td>
</tr>
<tr>
<td>Proprietary carboxylic acid termianted methacrylate</td>
<td>None</td>
<td>N/E</td>
</tr>
<tr>
<td>Potassium Nitrate (KNO3)</td>
<td>7757-79-1</td>
<td>N/E</td>
</tr>
<tr>
<td>Calcium Phosphate (Ca3(PO4)2)</td>
<td>12167-74-7</td>
<td>N/E</td>
</tr>
</tbody>
</table>

3. Hazard Identification

Risk identification: None known.
Special risks for human beings and environment: None known.
Classification: Not hazardous. Those people known to be allergic to methacrylate resins should avoid the use of this product.

4. First Aid Measures

General information:
After skin contact: Wash with plenty of soap and water.
After eye contact: Rinse with plenty of water and contact an ophthalmologist.
After swallowing: Seek medical advice immediately.

5. Fire Fighting Measures

Extinquishing media: CO2, water, dry chemical.
Protective equipment: Unknown.

6. Accidental Release Measures

Personal precautions: Unknown.
Environmental precautions: Absorb with inert material. Collect in closed containers and dispose of as recommended. Avoid skin contact, wear protective equipment.
Methods for cleaning up: Dispose in accordance with Federal, State, and local regulations.
Additional information: Unknown.

7. Handling and Storage
Use at room temperature. Refrigeration required. Store at 36°F (2°C) to 55°F (12°C) away from direct sunlight. Over time, spontaneous polymerization may occur.
### Material Safety Data Sheet

**8. Exposure Controls/Personal Protection**

- **Personal protective equipment:** Protective gloves, goggles are recommended.
- **General measures of protection:** Normal hygienic measures.
- **Respiration:** Not necessary.
- **H ands:** Protective gloves.
- **E yes:** OSHA approved goggles.

### 9. Physical and Chemical Properties

- **Appearance:** Paste.
- **Color:** Slightly tinted base & white catalyst parts.
- **Odor:** Ester-like.

#### Information on change in the physical state

- **Melting point/melting range:** Unknown.
- **Boiling point/boiling range:** Unknown.
- **Autoignition temperature:** Unknown.
- **Flash point:** Unknown.
- **Autoignition temperature:** Unknown.
- **Density:** 1.6 g/cm³.
- **Vapor pressure:** Unknown.
- **Viscosity:** Unknown.
- **pH:** Unknown.
- **Solubility in/miscibility with water:** Slightly.
- **Content of solids:** ≥50%

### 10. Stability and Reactivity

- **Incompatibility with other substances:** Stable. Avoid exposure of base to peroxide or excessive heat and avoid exposure of catalyst to amine or excessive heat.
- **Hazardous decomposition products:** Unknown.

### 11. Toxicological Information

- **Carcinogenicity:** None of the components of this material are listed by IARC, NTP, OSHA, or ACIGH as carcinogens.
- **TLV:** Unknown.
- **Primary routes of entry:** Inhalation, skin, and eyes.

### 12. Ecological Information

- **General information:** Unknown.
- **Classification of water endangerment:** Unknown.

### 13. Disposal Considerations

- **Disposal consideration:** Dispose in accordance with Federal, State, and local regulations.

### 14. Transport Information

- **Not classified as dangerous goods.

### 15. Regulatory Information

- **Classification according to EEC guidelines:** Unknown.
- **National Prescriptions:** Unknown.
- **Classification according to VbF:** Unknown.

### 16. Other Information

- **Revision Summary:** No revisions have been made.

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