1. Chemical Product and Contact

**Product Name:** Build-It® FR™ Core Build-up Material

**Material Safety Sheet Number:** 00075

**Date of Issue:** 01/21/00

**Revision Date:** 09/15/09

**Company Identification:** Pentron Clinical

1717 West Collins Ave.
Orange, CA 92867

**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:** Mixture of BisGMA, UDMA, HDDMA, silane treated barium borosilicate glass fillers*, chopped glass fibers, pigments with initiators, stabilizers and UV absorber.

**Description:** Visible light cured and self-cured resin composite.

<table>
<thead>
<tr>
<th>Element</th>
<th>CAS #</th>
<th>Exposure Limit mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>BisGMA</td>
<td>1565-94-2</td>
<td>N/E</td>
</tr>
<tr>
<td>UDMA</td>
<td>74389-53-0</td>
<td>N/E</td>
</tr>
<tr>
<td>HDDMA</td>
<td>6606-59-3</td>
<td>N/E</td>
</tr>
<tr>
<td>Silane Treated Barium Boro-alumino Silicate Glass</td>
<td>N/A</td>
<td>N/E</td>
</tr>
<tr>
<td>Silane Treated Chopped Glass Fibers</td>
<td>N/A</td>
<td>N/E</td>
</tr>
<tr>
<td>Pigments</td>
<td>Various</td>
<td>Unknown</td>
</tr>
<tr>
<td>UV Absorbers</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>Polymerization System</td>
<td>Various</td>
<td>N/E</td>
</tr>
</tbody>
</table>

*contains small amount of Alumina

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:** Unknown.

**After skin contact:** Wash with plenty of water and soap.

**After eye contact:** Rinse with plenty of water and contact an ophthalmologist.

**After swallowing:** Seek medical advice immediately.

5. Fire Fighting Measures

**Extinguishing 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 according to Federal, State, and local regulations.

**Additional information:** Unknown.

7. Handling and Storage

Refrigeration required. Store at 2 - 8°C. Keep away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.
9. Physical and Chemical Properties

Appearance: Form: Paste
Color: Shaded base part, white catalyst part.
Odor: Ester-like.

Information on change in the physical state
Melting point/melting range: Not applicable.
Boiling point/boiling range: Not applicable.
Flash point: Unknown.
Autoignition temperature: Unknown.
Danger of explosion: Unlikely.
Density: 1.7 g/cm³
Vapor pressure: Not applicable.
Viscosity: Not applicable.
PH: Not applicable.
Solubility in/miscibility with:
Water: None.
Content of solvents: None.
Organic solvents: None.
Water: None.
Content of solids: ≥65%

10. Stability and Reactivity

Incompatibility with other substances: Stable. Avoid bringing peroxide and excessive heat to base part and avoid bringing amine and excessive heat to catalyst part.
Hazardous decomposition products: Unknown.

11. Toxicological Information

Carcinogenicity: None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH 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.

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

16. Other Information

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