1. Chemical Product and Contact Information

**Product Name:** Splint-It® Resin Reinforced Fiber Splinting System

**Material Safety Sheet Number:** 00053

**Date of Issue:** 4/4/97

**Revision Date:** 12/15/00

**Company Identification:** Pentron Clinical Technologies, LLC

P.O. Box 724
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:** Mixture of dental methacrylate resins, S2 glass fibers

**Description:** (volume fraction: 38-40%), photo and heat curing agents, and pigments.

**Hazardous components:** None known.

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: Prolonged skin contact causes severe irritation. Wash with soap and water. If irritation persists, seek medical advice.
- After eye contact: Causes irritation; may cause temporary corneal damage. Immediately flush eyes with copious amounts of water and continue washing for several minutes. Contact an ophthalmologist.
- After swallowing: May cause headache, nausea, vomiting, mouth, throat, esophagus and stomach irritation. Seek medical advice immediately.

5. Fire Fighting Measures

**Extinguishing media:** Chemical foam, CO2, water or dry chemical.

6. Accidental Release Measures

**Personal precautions:** Absorb with insert material. Collect in closed containers and dispose of as recommended. Avoid skin contact, wear protective equipment.

**Environmental precautions:** Incineration according to Federal, State, and local regulations.

**Methods for cleaning up:** Incineration according to Federal, State, and local regulations.

**Additional information:** Unknown.

7. Handling and Storage

**Handling:** Always handle with care.

**Handling procedures:** Store material below 80°F, away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.

**Recommendation for fire and explosion protection:** Firefighters should wear a self-contained breathing apparatus and full protective clothing.

**Storage:** Store in a cool, dry place.

8. Exposure Controls/Personal Protection

**Additional information for technical plants:**

**Components with limits of values to be supervised at the workplace:**

<table>
<thead>
<tr>
<th>CAS Nr.</th>
<th>Name</th>
<th>%</th>
<th>Art. Value</th>
<th>Unit</th>
</tr>
</thead>
</table>

The product contains no relevant quantities of components with limits of values to be supervised at the workplace.

**Additional information:**
- **Personal protective equipment:** Protective gloves, goggles are recommended.
- **General measure of protection and hygiene:** Normal hygienic measures.
- **Respiration:** Wear NIOSH approved respirators to prevent breathing dusts and fiber.
- **Hands:** Wash hands after using and before eating, drinking and smoking.
- **Eyes:** Keep away from heat and flames.
- **OSHA approved goggles.**
9. Physical and Chemical Properties

Appearance: Combination of solid/liquid.
Color: Clear and shades A, B, C and D.
Odor: Moderate ester, sweet.

<table>
<thead>
<tr>
<th>Information on change in the physical state</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/melting range:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH:</td>
<td>Not applicable.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in/miscibility with Water:</td>
<td>Not applicable.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content of solvents:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic solvents:</td>
<td>Unknown.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content of solids:</td>
<td>≥ 60%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Incompatibility with other substances: Stable.
Hazardous decomposition products: Unknown.

11. Toxicological Information

Carcinogenicity: NTP: not listed.
IARC Monographs: not listed.
OSHA Regulated: not listed.
TLV: Unknown.
Primary Routes of entry: Inhalation/ingestion, skin, and eyes.

12. Ecological Information

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

13. Disposal Considerations

Disposal consideration: Incineration 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: This MSDS was placed into the ANSI Z400.1-1998 standard on December 15, 2000.

The information and recommendations set forth herein (hereinafter "information") are presented in good faith and believe to be correct as of the date hereof. Pentron Clinical Technologies, LLC however, makes no representations as to the completeness or accuracy of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Pentron Clinical Technologies, LLC be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.