



## MATERIAL SAFETY DATA SHEET

M.S.D.S. #00064

Page 1 of 2

March 28, 2006

### 1. Chemical Product and Contact Information

**Product Name:** Flow-It® ALC™ Flowable Composite  
**Material Safety Sheet Number:** 00064  
**Date of Issue:** 10/14/99  
**Revision Date:** 10/28/05  
**Company Identification:** Pentron Clinical Technologies, LLC  
68 North Plains Industrial Road  
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 BISGMA, EBPADMA, TEGDMA, silane, inorganic pigments, bariumborosilicate glasses, with initiators, stabilizers and UV absorber.  
\*contains a small amount of aluminum oxide.  
**Hazardous components:** None known.

| Element   | CAS #      | Exposure Limit mg/m <sup>3</sup> |           |
|---|------------|----------------------------------|-----------|
|   |            | OSHA PEL                         | ACGIH TLV |
| BIS-GMA   | 1565-94-2  | N/E                              | N/E       |
| EBPADMA   | 41637-38-1 | N/E                              | N/E       |
| TEGDMA  | 109-16-0   | N/E                              | N/E       |
| Inorganic Pigments                                | Various    | N/E                              | N/E       |
| Silane Treated Barium Boro-alumino Silicate Glass | N/A        | N/E                              | N/E       |
| Silica  | 69012-64-2 | N/E                              | 2R        |
| Photo initiators                                  | Various    | N/E                              | N/E       |

### 3. Hazard Identification

**Risk identification:** None known.  
**Special risks for human beings and environment:** None known.  
**Classification:** Unknown. Those people known to be allergic to methacrylate resins should avoid the use of this product.

### 4. First Aid Measures

**After skin contact:** Immediately wash with soap and water, consult a physician if irritation occurs.  
**After eye contact:** Immediately flush eyes with eyelids retracted, with plenty of water for 15 minutes. Consult an ophthalmologist if needed.  
**After swallowing:** Consult a physician immediately. Rinse oral cavity with water and exude or expectorate. Induce vomiting. Seek fresh air.

### 5. Fire Fighting Measures

**Extinguishing media:** Chemical foam, carbon dioxide or dry chemical.  
**Protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 6. Accidental Release Measures

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

### 7. Handling and Storage

Store material below 74°F (23°C), away from direct sunlight, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.



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**M.S.D.S. #00064**  
**Page 2 of 2**  
 March 28, 2006

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| <p><b>8. Exposure Controls/Personal Protection</b></p> <p>Additional information:<br/>         Personal protective equipment: Protective gloves, goggles are recommended.<br/>         General measure of protection and hygiene: Normal hygienic measures.<br/>         Respiration: Not necessary.<br/>         Hands: Protective gloves.<br/>         Eyes: OSHA approved goggles.</p>   |  |
| <p><b>9. Physical and Chemical Properties</b></p> <p>Appearance: Form: Viscous Gel.<br/>         Color: Various shades.<br/>         Odor: Esther-like.</p> <p>Information on change in the physical state<br/>         Melting point/melting range: Not applicable.<br/>         Boiling point/boiling range: Not applicable.<br/>         Flash point: Not applicable.<br/>         Autoignition temperature: Not applicable.<br/>         Danger of explosion: None known.<br/>         Density: 1.7 gm/cm<sup>3</sup><br/>         Vapor pressure: Unknown.<br/>         Viscosity: Not applicable.<br/>         pH: Not applicable.<br/>         Solubility in/miscibility with water: None.<br/>         Content of solvents: None.<br/>         Organic solvents: None.<br/>         Water: None.<br/>         Content of solids: ≥64%</p>   |  |
| <p><b>10. Stability and Reactivity</b></p> <p>Incompatibility with other substances: Stable.<br/>         Hazardous decomposition products: Unknown.</p>  |  |
| <p><b>11. Toxicological Information</b></p> <p>Carcinogenicity: NTP: not listed.<br/>         IARC Monographs: not listed.<br/>         OSHA Regulated: not listed.<br/>         Unknown.<br/>         TLV: Unknown.<br/>         Primary routes of entry: Inhalation/ingestion, skin, and eyes.</p>  |  |
| <p><b>12. Ecological Information</b></p> <p>General information: Unknown.<br/>         Classification of water endangerment: Unknown.</p>   |  |
| <p><b>13. Disposal Considerations</b></p> <p>Disposal consideration: Dispose in accordance with Federal, State, and local regulations.</p>  |  |
| <p><b>14. Transport Information</b></p> <p>Not classified as dangerous goods.</p>   |  |
| <p><b>15. Regulatory Information</b></p> <p>Classification according to EEC guidelines: Unknown.<br/>         National Prescriptions: Unknown.<br/>         Classification according to VbF: Unknown.</p>   |  |
| <p><b>16. Other Information</b></p> <p>The information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed 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.</p> <p>NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS 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.</p> |  |