

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 bariumborosilicate glass fillers\*, chopped glass fibers, pigments with initiators, stabilizers and UV absorber.  
 Description: Visible light cured and self-cured resin composite.  
 Hazardous components:

Element	CAS #	Exposure Limit mg/m <sup>3</sup>	
		OSHA PEL	ACGIH TLV
BisGMA	1565-94-2	N/E	N/E
UDMA	74389-53-0	N/E	N/E
HDDMA	6606-59-3	N/E	N/E
Silane Treated Barium Boro-alumino Silicate Glass	N/A	N/E	N/E
Silane Treated Chopped Glass Fibers	N/A	N/E	N/E
Pigments	Various	Unknown	Unknown
UV Absorbers	Unknown	Unknown	Unknown
Polymerization System	Various	N/E	N/E

\*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: CO<sub>2</sub>, 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.

8. Exposure Controls/Personal Protection

Personal protective equipment:	Protective gloves, and goggles are recommended.
General measure of protection and hygiene:	Normal hygienic measures.
Respiration:	Not necessary.
Hands:	Protective gloves.
Eyes:	OSHA approved goggles.

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/cm <sup>3</sup>
Vapor pressure:	Not applicable.
Viscosity:	Not applicable.
pH:	Not applicable.
Solubility in/miscibility with:	None.
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. Incompatible with ZOE.
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

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 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 be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

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.