

1. Chemical Product and Contact

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

Material Safety Sheet Number: **00075**

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Company Identification: **Pentron Clinical**

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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 ³	
		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: 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.

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 ³
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

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