

1. Chemical Product and Contact Information
Product Name: **Bond-It® VLC Adhesive**
Material Safety Sheet Number: **00126**
Date of Issue: 06/16/00
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Company Identification: **Pentron Clinical Technologies, LLC**
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Emergency Information Chemtrec: **800-424-9300**
Chemtrec International: **202-483-7616**
2. Composition/Information on Ingredients
Chemical characteristics: Dental methacrylate resin mixture with photo initiator, amine, and stabilizer.
Description: Visible light cured resin adhesive.

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
BIS-GMA	1565-94-2	N/E	N/E
HEMA	868-77-9	N/E	N/E
Camphorquinone	10373-78-1	N/E	N/E
Tertiary Amine	10287-53-3	N/E	N/E
BHT	128-37-0	N/E	2l(v)

(v)=vapor & aerosol

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 soap and water.
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: Wear protective equipment. Avoid direct contact.
Environmental precautions: Unknown.
Methods for cleaning up: Absorb with inert material. Collect in closed containers and dispose of as recommended.
Additional information: Dispose of in accordance to Federal, state, and local regulations.

7. Handling and Storage
Handling: Always handle with care.
Handling procedures: Unknown.
Recommendation for fire and explosion protection: Unknown.
Storage: Store away from direct light.
Requirements at storerooms and containers: Store in a cool, dry place between 36°F-55°F (2°C-12°C).
Additional storage conditions: Not applicable.
Storage classification: Unknown.
VBF- classification: Unknown.

8. Exposure Controls/Personal Protection

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

9. Physical and Chemical Properties

Appearance: Form: Low viscosity gel form.
 Color: Slightly yellow.
 Odor: Esterlike.

Information on change in the physical state

Melting point/melting range: Not applicable.
 Boiling point/boiling range: 480°F.
 Flash point: Not applicable
 Autoignition temperature: Not applicable.
 Danger of explosion: Not likely.
 Density: 1.12g/cm³
 Vapor pressure: 70°F.
 Viscosity: Not applicable.
 pH: Not applicable.
 Solubility in/miscibility with:
 Water: Slightly.
 Content of solvents: None.
 Organic solvents: None.
 Content of solids: < 5%.

10. Stability and Reactivity

Incompatibility with other substances: Strong oxidizing and reducing agents, heat, direct sunlight.
 Hazardous decomposition products: Unknown.

11. Toxicological Information

Carcinogenicity: None of the components of this material are listed by IARC, NTP, OSHA, or ACIGH as carcinogens.
 TLV: Oral rat 5.2 ml/kg.
 Primary Routes of entry: Inhalation, skin, and eyes.

12. Ecological Information

Unknown.

13. Disposal Considerations

Disposal consideration: Dispose of in accordance with Federal, State, and local regulations.

14. Transport Information

Not classified as dangerous goods.

15. Regulatory Information

Unknown.

16. Other Information

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