



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00187

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April 24, 2006

1. Chemical Product and Contact Information

Product Name: Epiphany® Root Canal Sealant

Material Safety Sheet Number: 00187

Date of Issue: 09/12/03

Revision Date: 04/24/06

Company Identification: Pentron Clinical Technologies, LLC
68 N. Plains Industrial Rd.
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 UDMA, PEGDMA, EBPADMA & BISGMA resins, silane-treated barium-borosilicate glasses*, barium sulfate, silica, calcium hydroxide, bismuth oxychloride with amines, peroxide, photo initiator, stabilizers and pigment.

Description: Dental resin composite.
Hazardous components: *contains a small amount of aluminum oxide.

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
Cumene hydroperoxide	80-15-9	Unknown	Unknown
Thiosinamine	109-57-9	Unknown	Unknown

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

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: Unknown.

Environmental precautions: Absorb with inert material. Collect in closed containers and dispose. 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

Storage: Refrigeration required. Store between 35°-55°F (2°-12°C), away from direct sun light, initiators, oxidizing, and/or reducing agents. Over time, spontaneous polymerization may occur.

Handling: Use at room temperature. Practice normal hygienic measures.

8. Exposure Controls/Personal Protection

Personal protective equipment: Protective gloves, goggles are recommended.

General measure of protection and hygiene: Normal hygienic measures.

Respiration: Not necessary.

Hands: Protective gloves.

Eyes: OSHA approved goggles.



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9. Physical and Chemical Properties

Appearance:	Form: Paste
	Color: Pink base & white catalyst parts.
	Odor: Ester-like.
Information on change in the physical state	
Melting point/melting range:	Unknown.
Boiling point/boiling range:	Unknown.
Flash point:	Unknown.
Autoignition temperature:	Unknown.
Danger of explosion:	Unlikely.
Density:	1.8 g/cm ³
Vapor pressure:	Unknown.
Viscosity:	Unknown.
pH:	Unknown.
Solubility in/miscibility with Water:	Slightly.
Content of solvents:	None.
Organic solvents:	None.
Content of solids:	≥50%

10. Stability and Reactivity

Incompatibility with other substances:	Stable. Avoid exposure of base to peroxide and excessive heat.
Hazardous decomposition products:	Avoid exposure of catalyst to amine and excessive heat. Unknown.

11. Toxicological Information

Carcinogenicity:	None of the components of this material are listed by IARC, NTP, OSHA, or ACIGH 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.
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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:	4/06: Updated storage information.
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