



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00316
Page 1 of 2
September 29, 2006

1. Chemical Product and Contact Information

Product Name: Epiphany® SE™ Root Canal Sealant
Material Safety Sheet Number: 00316
Date of Issue: 09/29/06
Revision Date:
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 EBPADMA, HEMA, BISGMA and acidic methacrylate resins, silane-treated bariumborosilicate glasses, silica, hydroxylapatite, Ca-Al-F-silicate, bismuth oxychloride with amines, peroxide, photo initiator, stabilizers and pigment.
*contains a small amount of aluminum oxide.
Description: Dental resin composite.
Hazardous components:

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
Benzoyl Peroxide	94-36-0	5mg/m ³	5mg/m ³
Tertiary Amine	109-57-9	N/E	N/E
EBPADMA	41637-38-1	N/E	N/E
BISGMA	1565-94-2	N/E	N/E
HEMA	868-77-9	N/E	N/E
Propiortory acidic	N/A	N/E	N/E
Silane treated barium glass	N/A	N/E	N/E
Ca ₃ (PO ₄)	12167-74-7	N/E	N/E
Bismuth oxychloride	7787-59-9	N/E	N/E
Luting system	Various	N/E	N/E

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 and 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.



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00316
Page 2 of 2
September 29, 2006

8. Exposure Controls/Personal Protection

Personal protective equipment: Protective gloves, goggles and face mask 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: 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/cm³
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.
Avoid exposure of catalyst to amine and excessive heat.
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: 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.

15. Regulatory Information

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 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.

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.