

1. Chemical Product and Contact Information

Product Name: **TempSpan® CMT**
Temporary Crown & Bridge Cement

Material Safety Sheet Number: **00289**
Date of Issue: 05/04/04
Revision Date: 05/15/06

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:

A paste-paste resin cement that is a mixture of methacrylate resins and polymer resin, bariumborosilicate glasses*, barium sulfate, potassium nitrate, sodium flouride, calcium phosphate, silica, with amines, peroxide, photo initiator, stabilizers and pigment.

*contains a small amount of aluminum oxide.

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
Proprietary Monomethacrylate	None	N/E	N/E
Proprietary Polymer Resin	None	N/E	N/E
Barium Sulfate (BaSO ₄)	7727-43-7	15 (Total Dust)	10
Bariumborosilicate glass	65997-17-3	N/E	N/E
Silica (amorphous)	69012-64-2	Unknown	2R
Pigments	Various	N/E	N/E
Proprietary carboxylic acid terminated methacrylate	None	N/E	N/E
Potassium Nitrate (KNO ₃)	7757-79-1	N/E	N/E
Calcium Phosphate (CA ₃ (PO ₄) ₂)	12167-74-7	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

General information:

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 of as recommended. Avoid skin contact, wear protective equipment.

Methods for cleaning up: Dispose in accordance with Federal, State, and local regulations.

Additional information: Unknown.

7. Handling and Storage

Use at room temperature. Refrigeration required. Store at 36°F (2°C) to 55°F (12°C) away from direct sunlight. Over time, spontaneous polymerization may occur.

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.

9. Physical and Chemical Properties

Appearance: Form: Paste.
 Color: Slightly tinted 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: 1.6 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 or excessive heat and avoid exposure of catalyst to amine or 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

Revision Summary: No revisions have been made.

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