

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: Not applicable

Company Identification: **Pentron® Clinical Technologies, LLC**
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 203-265-7397

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:
 Special risks for human beings and environment:
 Classification:

None known.

None known.

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:
 After eye contact:
 After swallowing:

 Wash with plenty of soap and water.
 Rinse with plenty of water and contact an ophthalmologist.
 Seek medical advice immediately.

5. Fire Fighting Measures

 Extinguishing media:
 Protective equipment:

 CO₂, water, dry chemical.
 Unknown.

6. Accidental Release Measures

 Personal precautions:
 Environmental precautions:

 Unknown.
 Absorb with inert material. Collect in closed containers and dispose of as recommended. Avoid skin contact, wear protective equipment.

 Methods for cleaning up:
 Additional information:

 Dispose in accordance with Federal, State, and local regulations.
 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

Components with limits of values to be supervised at the workplace: The product contains no relevant quantities of components with limits of values to be supervised at the workplace.

Additional information:

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/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 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 AICGH 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:	No revisions have been made.
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