

## 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:** 10/26/09

**Company Identification:** **Pentron Clinical**  
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 Orange, CA 92867  
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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 fluoride, calcium phosphate, silica, with amines, peroxide, photo initiator, stabilizers and pigment.

\*contains a small amount of aluminum oxide.

Element	CAS #	Exposure Limit mg/m <sup>3</sup>	
		OSHA PEL	ACGIH TLV
Proprietary Monomethacrylate	None	N/E	N/E
Proprietary Polymer Resin	None	N/E	N/E
Barium Sulfate ( BaSO <sub>4</sub> )	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 <sub>3</sub> )	7757-79-1	N/E	N/E
Calcium Phosphate ( CA <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> )	12167-74-7	N/E	N/E

## 3. Hazard Identification

Risk identification:

None known.

Special risks for human

None known.

beings and environment:

Not hazardous. Those people known to be allergic to methacrylate resins should avoid the use of this product.

Classification:

## 4. First Aid Measures

General information:

Wash with plenty of soap and water.

After skin contact:

Rinse with plenty of water and contact an ophthalmologist.

After eye contact:

Seek medical advice immediately.

After swallowing:

## 5. Fire Fighting Measures

Extinguishing media:

CO<sub>2</sub>, 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 2°C to 8°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	Unknown.
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 <sup>3</sup>
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.
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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

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 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 be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

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