

1. Chemical Product and Contact Information

Product Name:	TempSpan® Temporary Crown and Bridge Material
Material Safety Sheet Number:	00201
Date of Issue:	01/21/04
Revision Date:	10/29/09
Company Identification:	Pentron Clinical 1717 West Collins Ave. Orange, CA 92867 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 polyfunctional methacrylate resins of EBPADMA and UDMA, BIS-GMA, HDDMA, methacrylic phosphate, polymerization initiators, stabilizers, pigments and inorganic fillers.*

Description: Light and self-curing dental resin composite.

Hazardous components:

Element	CAS #	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
EBPADMA	41637-38-1	N/E	N/E
UDMA	74389-53-0	N/E	N/E
BIS-GMA	1565-94-2	N/E	N/E
HDDMA	6606-59-3	N/E	N/E
Methacrylate Phosphate	32435-45-4	N/E	N/E
CQ	10373-78-1	N/E	N/E
Benzoyl Peroxide	94-36-0	5	5
Tertiary Amines	Various	N/E	N/E
BHT	128-37-0	N/E	2(M)
Pigments	Various	N/E	N/E
Silane treated barium glass	N/E	N/E	N/E
Silica (amorphous)	69012-64-2	N/E	2R

* contains a small amount of alumina.

3. Hazard Identification

Risk identification:	Uncured residual monomer may cause mucus membrane irritation when there is direct contact.
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:	CO ₂ , 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 according to Federal, State, and local regulations.
Additional information:	Unknown.

7. Handling and Storage

Handling:	Practice general hygienic measures.
Storage:	Refrigeration required. Store at 2 - 8°C. Store away from direct sunlight, initiators, oxidizing, and/or reducing agents.

8. Exposure Controls/Personal Protection

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:	Composite gel with base and catalyst as two components.
	Color:	Tooth colored in.
	Odor:	Nearly odorless.

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: 1.4 g/cm³

Vapor pressure: Unknown.

Viscosity: Unknown.

pH: Not applicable.

Solubility in/miscibility with water: Nearly insoluble.

Content of solvents: Unknown.

Organic solvents: Unknown.

Water: Unknown.

Content of solids: Unknown.

10. Stability and Reactivity

Incompatibility with other substances: Stable. Avoid bringing peroxide and excessive heat to base part and avoid bringing amine and excessive heat to catalyst part.

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 of 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

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