



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00201

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July 26, 2006

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: 07/26/06

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:

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:

None known.

Special risks for human

None known.

beings and environment:

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 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 36°-55°F (2°-12°C) 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 ACGIH 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

Revision Summary: 8/05: Added ACGIH TLV/OSHA PEL chart to section 2.

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