



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00310

Page 1 of 2

December 15, 2005

1. Chemical Product and Contact Information

Product Name: TempSpan® Indirect Temporary Crown and Bridge Material
Material Safety Sheet Number: 00310
Date of Issue: 12/15/05
Revision Date: Not Applicable
Company Identification: Pentron Laboratory Technologies, LLC
 Wallingford, CT U.S.A. 06492
 Phone: 203-303-2010
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
Dual-Cure System	Various	N/E	N/E
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 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: CO₂, water, dry chemical.
Protective equipment: Unknown.

6. Accidental Release Measures

Personal precautions: Unknown
Environmental precautions: Unknown
Methods for cleaning up: Avoid skin contact, wear protective equipment. Absorb with inert material. Collect in closed containers and dispose in accordance with 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°-13°C) away from direct sunlight, initiators, oxidizing, and/or reducing agents.



MATERIAL SAFETY DATA SHEET

M.S.D.S. #00310

Page 2 of 2

December 15, 2005

8. Exposure Controls/Personal Protection

Personal protective equipment: Protective gloves, goggles are recommended.
 General measure of protection and hygiene: Normal hygienic measures.
 Respiration: Protective mask.
 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.
 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 exposure of base to peroxide and excessive heat. Avoid exposure of catalyst to amine and 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 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

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

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.