

**Pulpdent Corporation**

**Material Safety Data Sheet: Tuff-Temp Plus Temporary Crown & Bridge Resin**

**IDENTITY** *Pulpdent Tuff-Temp Plus*  
Chemical Description: Glass filled resin in two parts with photo-initiator and self-cure chemistry  
Product Use: Temporary crown and bridge resin

**SECTION I**

Pulpdent Corporation  
80 Oakland Street  
Watertown, MA 02472 USA

**Phone Numbers**  
24 Hour Emergency: 1-800-535-5053  
Customer Service: 1-800-343-4342/1-617-926-6666

Date prepared: March 1, 2013

**SECTION II - HAZARDOUS INGREDIENTS**

<i>Ingredients</i>	<i>CAS Number</i>	<i>PEL / TLV</i>
Uncured methacrylate resins	-----	Not established
Silica, amorphous	112945-52-5	6 mg/m <sup>3</sup> / 10 mg/m <sup>3</sup>

DOT HAZARD CLASSIFICATION: None required      WHMIS CLASSIFICATION: D-2, Possible irritant  
NFPA HMIS RATING: HEALTH: 1      FLAMMABILITY: 0      REACTIVITY: 1

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

Light cure set time	20 seconds
Self-cure set time	5 minutes
Appearance	Two pastes: Tooth-colored base and Off-white catalyst
Odor	Slight, characteristic

**SECTION IV - FIRE AND EXPLOSION HAZARD**

Flash point: Not established      Auto-ignition temperature: Not established  
Flammable limits: Not established

Hazardous Combustion Products: Under fire conditions and with amounts greater than that supplied in this product, hazardous polymerization may occur with heat build-up and release of carbon monoxide, carbon dioxide, and oxides of nitrogen.

Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam or water fog. Water spray may be used to keep exposed containers cool.

Special Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel. Cool exposed containers with water spray to prevent polymerization under fire conditions.

**SECTION V - REACTIVITY DATA**

Stability: Stable      Conditions to avoid: Intense light, temperature >80°F / 27°C, cross-contamination.

Incompatibility: Reducing and oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen

Hazardous Polymerization: None under normal conditions of use.

Conditions to avoid: Strong light, temperature >80°F / 27°C, cross-contamination.

**Material Safety Data Sheet: *Tuff-Temp Plus* Temporary Crown & Bridge Resin**

SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Minimal health hazard in the small quantities present in this product and under normal conditions of use. Material may be irritating to eyes, mucous membranes or skin on contact.

<i>Route of Exposure</i>	<i>Signs and Symptoms</i>
Inhalation	May be irritating to mucous membranes.
Eye Contact	May be irritating.
Skin Absorption	Not applicable
Skin Contact	Primary route of exposure, possibly irritating or sensitizing.
Ingestion	None expected under normal conditions of use. May be irritating to mucous membranes.

*Summary of Chronic Hazards:* May be sensitizing, especially with prolonged and/or repeated exposure.

Carcinogenicity Not known to be a carcinogen.

Teratogenicity, Mutagenicity, Reproductive Toxicity: None known

*Emergency First Aid Procedures*

Inhalation	Move exposed person to fresh air. Seek medical care.
Eye contact	Flush eyes with running water for 15+ minutes. Seek medical attention.
Ingestion	Rinse mouth. Consult physician.
Skin contact	Wash skin with soap and running water. Seek medical attention if irritation persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Handling/Storage Precautions: Avoid temperature extremes (>80°F/27°C, <40°F/5°C), strong light, cross-contamination, moisture.

Release or Spill: For small quantities (as in this product): Wear gloves and safety glasses. Pick up with absorbent material (paper or cloth) and collect for suitable disposal.

Waste Disposal Method: Follow all government regulations.

Other Precautions: Wash hands after use.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Not necessary under normal conditions of use of this product.

Ventilation: No special ventilation required under normal conditions of use of this product.

Protective Gloves: Recommended

Eye Protection: Safety glasses are recommended.

Other Protective Clothing or Equipment: Emergency eye wash fountain should be close by and maintained.

Work / Hygienic Practices: Wash hands after use

---

*The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Pulpdent Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.*