

**MATERIAL SAFETY DATA SHEET: CHEMLOCK CEMENT**

Trade Name: **CHEMLOCK ENDODONTIC POST CEMENT**  
Chemical Description: 62% Glass-filled resin with self-cure chemistry in two parts.  
Product Use: Endodontic post cement.

**SECTION I**

Pulpdent Corporation  
80 Oakland Street  
Watertown, MA 02472 USA

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

Date prepared: January 1, 2004

**SECTION II - HAZARDOUS INGREDIENTS**

<b>Ingredients</b>	<b>PEL / TLV</b>	
Methacrylate resins	Not established	
<b>DOT HAZARD CLASSIFICATION:</b>	Not regulated	
<b>WHMIS CLASSIFICATION:</b>	D-2, Possible irritant	
<b>NFPA HMIS RATING: HEALTH: 0</b>	<b>FLAMMABILITY: 0</b>	<b>REACTIVITY: 1</b>

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling point: n/a	Specific gravity: 1.44	Vapor pressure: <1 mm Hg
Vapor density: 1	Evaporation rate: n/a	Solubility in water: nil
Odor: Faint characteristic odor	Odor threshold: n/a	

Appearance: Base and catalyst are both thick, off-white liquids.

**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:** Heat (>100°F), 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:** Heat (>100°F), contamination with other part

**SECTION VI - HEALTH HAZARD DATA**

**Summary of Acute Hazards:** Minimal health hazard in the quantities present in this product and under normal conditions of use. May be irritating to eyes, mucous membranes or skin on contact or with prolonged exposure.

**Route of Exposure**

- Inhalation
- Eye contact
- Skin absorption
- Skin contact
- Ingestion

**Signs and Symptoms**

- May be irritating to mucous membranes.
- May be irritating.
- n/a
- Primary route of exposure. May be irritating.
- None expected with this product in normal conditions of use. May be irritating to mucous membranes.

**Summary of Chronic Hazards:** None known

- Carcinogenicity Not known to be a carcinogen.
- Teratogenicity None known
- Mutagenicity None known
- Reproductive toxicity None known

**Emergency First Aid Procedures**

- Inhalation Move exposed person to fresh air. Seek medical care.
- Eye contact Flush eyes with copious amounts of water for 15 min. Seek medical attention.
- Ingestion Rinse mouth. Consult physician.
- Skin contact Wash skin with soap and water.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

- Handling/Storage Precautions:** Avoid temperature extremes, 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 when normal conditions of use are anticipated. Chemical splash goggles should be worn whenever there is a possibility of splashing or contact.
- Other Protective Clothing or Equipment:** Emergency eye wash fountain
- 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.*