

**MATERIAL SAFETY DATA SHEET: *Pulpdent Paste***

---

**IDENTITY:**

Trade Name: *Pulpdent Paste*

Code: PSYK, PSY, PSYN

Chemical Description: Calcium hydroxide preparation

Product Use: Dental material

**SECTION I**

*Pulpdent Corporation*

80 Oakland Street

Watertown, MA 02472 USA

*Phone Numbers:*

24 Hour Emergency: (800) 535-5053

Customer Service: (800) 343-4342/617-926-6666

Date Prepared: September 1, 2008

**SECTION II - HAZARDOUS INGREDIENTS**

<i>Ingredient</i>	<i>CAS RN</i>	<i>PEL/TLV</i>
Calcium Hydroxide	1305-62-0	5 mg/m <sup>3</sup>

DOT HAZARD CLASSIFICATION: Not regulated

WHMIS CLASSIFICATION: E - Corrosive material

NFPA HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: Decomposes

Melting Point: 580°C

Solubility in water: Slight

Odor Threshold: Not available

Appearance: White paste

Odor: Odorless

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point: Not applicable

Flammable limits: Not applicable

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Fire Fighting Procedures: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Hazardous combustion products: Caustic fumes of calcium oxide form when heated to decomposition.

Unusual Fire and Explosion Hazards: None

**SECTION V - REACTIVITY DATA**

Stability: Stable under normal conditions.

Conditions to avoid: Excessive heat.

Incompatibility: Material reacts violently with maleic anhydride, nitroethane, nitromethane, nitroparaffins, nitropropane and phosphorus. As a strong alkali, it is incompatible with acids.

Hazardous Decomposition Products: Caustic fumes of calcium oxide when heated to decomposition.

Hazardous Polymerization: Will not occur.

Conditions to avoid: None.

**MATERIAL SAFETY DATA SHEET: *Pulpdent Paste***

---

**SECTION VI - HEALTH HAZARD DATA**

*Summary of Acute Hazards:* Minimal health hazard in paste form and under normal conditions of use. In large amounts and/or with prolonged exposure, calcium hydroxide is corrosive and may cause irritation and burns to mucous membranes, eyes, gastrointestinal tract, respiratory tract and skin.

<i>Route of Exposure</i>	<i>Signs and Symptoms</i>
Inhalation	Paste preparations of calcium hydroxide cause no symptoms.
Eye Contact	Corrosive. May produce irritation, pain, ulceration of the cornea.
Skin Absorption	Not applicable
Skin Contact	May cause irritation, burns or blistering, depending on duration of contact.
Ingestion	Gastric irritant. May cause pain, vomiting, diarrhea, and collapse.

*Summary of Chronic Hazards:* Narrowing of the esophagus may occur weeks to years after ingestion.

Carcinogenicity	Not considered a carcinogen.
Reproductive Toxicity, Mutagenicity, Teratogenicity:	None known.
Special Health Effects	Persons with pre-existing skin conditions may be more susceptible to irritation.

**Emergency First Aid Procedures**

Inhalation	Move to fresh air. Seek medical attention if breathing is labored.
Eye contact	Wash with running water for 15+ minutes lifting lid occasionally. Seek immediate medical care.
Ingestion	If swallowed, DO NOT INDUCE VOMITING. If person is conscious, give large quantities of water / milk. Seek medical attention immediately.
Skin contact	Remove any contaminated clothing. Wipe off excess and wash skin with tepid, running water. Seek medical attention if irritation persists.

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

Handling and Storage Precautions: Keep tightly closed in original container; store in a cool, dry, ventilated area. Isolate from incompatible substances. Recap syringe immediately after use. Do not leave applicator tip on syringe.

Release or Spill: Wear gloves, safety goggles. Wipe up with paper towels. Wash area of spill with water-saturated paper towels/cloths. Place material and towels in container for disposal.

Waste Disposal Method: Follow government regulations.

Other Precautions: Wash hand after use. Spills may result in slippery surfaces.

**SECTION VIII - CONTROL MEASURES**

Respiratory Protection: Not required.

Ventilation: No special ventilation necessary.

Protective Gloves: Chemically impervious gloves. Eye Protection: Chemical safety goggles.

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

Work/Hygienic Practices: Wash hands after use; wash contaminated safety equipment before re-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.*