

MATERIAL SAFETY DATA SHEET: TempCanal

Trade Name: TempCanal

Chemical Description: Calcium hydroxide preparation

Product Use: Dental material

SECTION I

Pulpdent Corporation

80 Oakland Street

Watertown, MA 02472 USA

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Phone Numbers:

24 Hour Emergency: (800) 535-5053

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

SECTION II - HAZARDOUS INGREDIENTS

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

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: Negligible

Odor Threshold: Not available

Appearance: White paste

Odor: Odorless

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not available

Flammable limits: Not available

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 face piece 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.

SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Minimal health hazard under normal conditions of use. However, 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.

Route of Exposure

Signs and Symptoms

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

Corrosive. May cause burns and blistering with prolonged contact.

Ingestion

Gastric irritant. May cause pain, vomiting, diarrhea, and collapse.

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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 lids occasionally. Seek immediate medical care.

Ingestion If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water or milk if available and patient is conscious. Call physician immediately.

Skin contact Remove contaminated clothing. Wipe off excess and wash skin with plenty of tepid 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. Protect against physical damage. Isolate from incompatible substances. Remove applicator tip immediately after use; add a drop of water to cap and recap syringe. Do not leave applicator tip on syringe.

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

Waste Disposal Method: Follow government regulations.

Other Precautions: Spills may result in slippery surfaces.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Not necessary under normal conditions of dental practice. If handling large quantities of calcium hydroxide powder, where the TLV may be exceeded, an OSHA-approved dust/mist respirator is recommended.

Ventilation: No special ventilation necessary if level of calcium hydroxide powder is below the TLV.

Protective Gloves: Recommended. Eye Protection: Recommended

Other Protective Clothing or Equipment: Emergency eye wash fountain. Wear lab coat, long sleeves and apron to prevent skin contact.

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

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