



MATERIAL SAFETY DATA SHEET: CALCIUM HYDROXIDE PRODUCTS

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irritation and burns to mucous membranes, eyes, gastrointestinal tract, respiratory tract and skin. In addition, the powder form presents an inhalation hazard.

**Route of Exposure**

**Signs and Symptoms**

Inhalation	Dust from powder form may cause irritation of mucous membranes and upper respiratory tract. Paste and liquid preparations cause no symptoms.
Eye Contact	Corrosive. May produce irritation, pain, ulceration of the cornea.
Skin Absorption	n/a
Skin Contact	Corrosive. May cause burns, 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. Get medical attention if breathing is labored.
Eye contact	Wash with running water for 15+ minutes. Get immediate medical care.
Ingestion	If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water/ milk, but only if person is conscious. Call physician immediately.
Skin contact	Remove any contaminated clothing. Wipe off excess and wash skin with plenty of tepid water. Get medical attention if irritation persists.

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

Handling and Storage Precautions: Keep in tightly closed container; store in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.

Release or Spill: Wear gloves, safety goggles. Powder spills: wear dust mask; pick up spilled material without dispersing powder into air. Paste and liquid spills: 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: Spills may result in slippery surfaces.

**SECTION VIII - CONTROL MEASURES**

Respiratory Protection: Powdered calcium hydroxide: under normal conditions of dental practice, a surgical mask provides adequate respiratory protection. For large quantities: an OSHA-approved dust/mist respirator is recommended. Paste/liquid preparations: surgical mask under all circumstances of normal use.

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

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

Other Protective Clothing or Equipment: Emergency eye wash fountain. Wear lab coat, long sleeves and apron to prevent skin contact. Use rubber dam around tooth to be treated. Mask all surrounding tissue.

Work/Hygienic Practices: Wash hands after use; wash contaminated safety equipment before re-use. Persons regularly using large quantities of the powder form should not wear contact lenses.

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