

MATERIAL SAFETY DATA SHEET: CALCIUM HYDROXIDE PRODUCTS

Route of Exposure

Inhalation

Signs and Symptoms

Calcium hydroxide powder 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

Not applicable

Skin Contact

Corrosive. 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. Seek immediate medical care.

Ingestion

If swallowed, DO NOT INDUCE VOMITING. If person is conscious, give large quantities of water/ milk. Call for medical care 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. Avoid temperature extremes (>80°F/27°C, <40°F/5°C). Protect against physical damage. Isolate from incompatible substances. Paste products: remove applicator tip, add a drop of water to cap and recap syringe immediately after use. Do not leave applicator tip on syringe.

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: Wash hands after use. 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: Chemically impervious gloves. Eye Protection: Chemical safety goggles.

Other Protective Clothing or Equipment: Emergency eye wash fountain should be close by and maintained. 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. Persons regularly using large quantities of the powder form should not wear contact lenses.

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