INSTRUCTION FOR USE

Calcium Hydroxide

(Calcium Hydroxide Powder)

Prevalent's Calcium Hydroxide Powder is a highly alkaline dental material used in endodontic and restorative procedures. It exhibits antibacterial properties and promotes hard tissue formation. The material can be mixed with suitable liquids to form a paste for clinical use.

COMPOSITION

Calcium Hydroxide ($Ca(OH)_2$) – Medical/Dental grade

PROPERTIES

- High alkalinity (pH approximately 12)
- Antibacterial action
- Supports dentin bridge formation
- Radiopaque when used with suitable additives (if applicable)
- Biocompatible with dental tissues
- Easy to mix and manipulate

INDICATIONS

- Direct pulp capping
- Indirect pulp capping
- Pulpotomy procedures
- Temporary intracanal dressing
- Apexification procedures
- Root canal disinfection
- Treatment of internal root resorption
- Protective liner under restorative materials

CONTRAINDICATIONS

Do not use:

- In patients with known hypersensitivity to any component of the product
- For permanent root canal obturation
- In cases where complete sealing of the treatment area cannot be achieved

DIRECTIONS FOR USE

For Intracanal Dressing

1. Clean and shape the root canal according to standard endodontic procedures.
2. Mix Calcium Hydroxide Powder with sterile water, saline, glycerin, or other suitable vehicle until a creamy paste consistency is obtained.
3. Place the paste into the root canal using a lentulo spiral, file, or suitable instrument.
4. Seal temporarily and recall the patient as clinically indicated.

For Pulp Capping

1. Isolate the tooth and control bleeding.
2. Mix the powder with an appropriate liquid to obtain a suitable consistency.
3. Apply a thin layer directly over the exposed or affected pulp area.
4. Cover with a suitable base or restorative material.

Mixing Ratio

- Calcium Hydroxide Powder: approximately 1 g
- Suitable liquid: 0.5–1 mL

Adjust consistency according to clinical requirements.

WARNINGS

- For professional dental use only.
- Avoid contact with eyes and skin.
- Do not ingest.
- Avoid overfilling beyond the apex.
- Use only recommended mixing liquids.
- Keep away from children.

PRECAUTIONS

- Use appropriate isolation techniques.
- Follow standard infection control procedures.
- Use immediately after preparation.
- Discontinue use if irritation or adverse reactions occur.

ADVERSE EFFECTS

- Possible adverse effects may include:
- Temporary tissue irritation
- Sensitivity reactions in susceptible individuals
- Pain or inflammation due to overextension beyond the apex

PRESENTATION

Ref No: PL-0114- Calcium Hydroxide Powder- 10g Jar

STORAGE CONDITIONS

- Store in a cool and dry place.
- Keep container tightly closed.
- Protect from moisture and direct sunlight.
- Storage temperature: 5°C–30°C

SHELF LIFE

3 years from date of manufacturing.

DISPOSAL

Dispose of unused material and packaging according to local regulations.

CONTACT

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Failure to comply with the specified storage conditions may alter the working characteristics of the material and reduce its shelf life.
The manufacturer is not responsible for any loss of quality resulting from non-compliance with the specified conditions for transportation, storage, and use of this product. The user assumes full responsibility for using the material for any purposes other than those specified by the manufacturer.
This material is intended solely for professional dental use. Application must be carried out strictly according to the instructions for use. The manufacturer accepts no liability for damages resulting from failure to follow the provided instructions or for use beyond the stipulated applications. The user is responsible for assessing the material's suitability for any purpose not explicitly stated in this instruction sheet. The descriptions and data provided do not constitute a warranty of attributes and are not legally binding.

This product is specially formulated for use in dentistry and to be used by qualified dental personnel

Symbol for "TEMPERATURE LIMITATION" Symbol for "KEEP DRY"
Symbol for "KEEP OUT OF THE REACH OF CHILDREN"
Symbol for "DO NOT USE IF PACKAGE IS DAMAGE"
Symbol for "KEEP AWAY FROM SUNLIGHT" Symbol for "CAUTION"
Symbol for "MANUFACTURER NAME & ADDRESS"
Symbol for "CONSULT INSTRUCTION FOR USE"
REF Symbol for "CATALOGUE NUMBER" Symbol for "USE BY"
MD Symbol for "MEDICAL DEVICE"
Symbol for "NON STERILE"
LOT Symbol for "BATCH CODE"

Document No	PL-IFU-064
Revision	02
Date	10-05-2025

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