

Calgonate®


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Industry Research

Hydrofluoric Acid Burns.
HF Exposure Emergency Response.
Medical Literature.

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What is Calgonate® Gel?

Calgonate® Gel is an effective topical 2.5% calcium gluconate gel that is used in first aid response to hydrofluoric acid (HF) exposure or contact to the body. Calcium gluconate combines with hydrofluoric acid to neutralize the powerful fluoride ion.

Pharmacology

Calgonate® Gel contains Calcium Gluconate USP 2.5% w/w in a clear, viscous, colorless and odorless water miscible gel base.

Indication

Calcium gluconate gel is indicated as an integral part in responding to Hydrofluoric Acid exposure to the body, with the purpose of flooding an area with calcium gluconate in such a way as to chelate harmful components before they have time to penetrate the skin.

Usage

If hydrofluoric acid contacts the body, it is highly recommended to wash/flush the area with cool water for at least 5 minutes to remove HF surface residue (15 to 20 minutes if Calgonate® Gel is not available). Apply Calgonate® Gel freely to the affected areas and continuously massage into the skin. Seek medical attention. Reapply



ORDER NOW

Orders ship within 1 business day.

Calgonate® Gel is made in the USA at cGMP FDA-approved manufacturing facilities.

[Purchasing Information](#)

Calgonate® Gel and massage into the affected area every 15 minutes until medical assistance is given.

If the acid has penetrated below the nails, Calgonate® Gel should be liberally applied over and around the nail area, and the area should be continually massaged for 15 minutes.

Avoid secondary HF exposure or transfer by following standard HF safety measures, including:

- If possible, the victim should wash area and apply the gel themselves.
- If assistance is required, the person assisting should wear appropriate HF-protective gloves (neoprene) and other safety equipment.
- Safely discard tube and any unused gel after use.

All HF burns or exposure should be referred to a hospital after washing and starting initial first-aid procedures with Calgonate® Gel.

Contra-indications

For external use only.

Precautions

- Store between 15-30°C (59-86°F).
- Use directly from tube, one tube per application, then safely discard.
- Ensure adequate ventilation at all times.

Calgonate® – The Solution of Choice

"Calcium gluconate is the preferred treatment of choice for minor HF exposure for the following reasons:

- It is easy to use.
- It can be self-administered or applied by personnel trained in first aid care.

- It can be applied immediately as soon as the burn is suspected.
- It is painless to apply.
- It produces no risk of increasing tension in the tissues...
- ...It reduces the risk of hypocalcemia.
- No sophisticated equipment is necessary."

Source: Segal, Eileen, B
"First Aid for a Unique Acid,
HF: A Sequel" Chemical
Health and Safety, Jan/Feb
2000 vol. 7, #1, p18.

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