

XINCORNADOR

DEHORNER

GEL

Health Registration No.: RIP-FAR-28

Formula:

Each 100 g contains:

Sodium hydroxide	30.0 g
Excipients q.s.	100.0 g

SPECIES AND DOSAGE:



DIRECTIONS FOR USE

- Use gloves. Position the animal on its side with its **head facing downward**.
- Using scissors or a scalpel, shave the area surrounding the **horn bud** to obtain a hairless circle approximately **2.5 cm in diameter**.
- Apply petroleum jelly around the outer edge of the shaved area.
- Apply **XINCORNADOR** inside the circle, avoiding application outside the area where the petroleum jelly was applied.
- In animals **up to one week of age**, apply a thin layer of XINCORNADOR over the horn bud.
- For animals **4–8 weeks of age**, a thicker layer of the product (**2.5 cm**). If the horn bud has grown slightly, a small incision should be made around the base of the horn and a small amount of the product applied both within the incision and over the horn bud.
- A few days after applying XINCORNADOR, a scab will form and should fall off within **one to two weeks**, leaving a hairless area.

INDICATIONS

XINCORNADOR gel is a caustic product that prevents the formation and growth of horns in calves, lambs, and kids up to 8 weeks of age, without causing bleeding and preventing problems with flies (myiasis) in the horn bud area.

ROUTE OF ADMINISTRATION: Topical.

PHARMACOKINETICS

After application of sodium hydroxide to the epidermis, progressive changes are observed over 15 to 180 minutes, beginning with the dissolution of cells in calloused tissue, followed by the formation of edema, and culminating in the complete destruction of the epidermis within 60 minutes. Solutions with a concentration lower than 0.12% corrode the epidermis in approximately 1 hour. On the other hand, a 5% aqueous solution causes necrosis when applied to rabbit skin for 4 hours.

MECHANISM OF ACTION

The dehorning action of sodium hydroxide is due to its destruction of the corneal bud. This action occurs because it reacts with the proteins in the living tissues it comes into contact with, causing them to break down through hydrolysis.

PRECAUTIONS – WARNINGS - CONTRAINDICATIONS

- Keep the animal away from its mother until the product has dried completely; otherwise may cause burns on the mother's flank or udder.
- Keep the animal in a place where it is not exposed to rain for 1 or 2 days to prevent burns from the product running down onto its face.
- Keep out of the reach of children and pets.
- Failure to apply petroleum jelly to the application site of XINCORNADOR prior to application may cause burns in the area adjacent to the corneal button.

DRUG INTERACTIONS

None reported.

ADVERSE REACTIONS

None reported.

WITHDRAWAL

Not applicable.

COMMERCIAL PRESENTATIONS

Tube containing 60 g.

