

# CLOSTEN CREAM

## **DESCRIPTION:**

A white, smooth, homogenous mass

## **COMPOSITION:**

Each gm contains Clotrimazole (Micronised) 10mg

Preservative: Chlorocresol 0.1% w/w

## **ACTIONS & PHARMACOLOGY:**

Clotrimazole is a broad spectrum antifungal agent. Fungistatic; may be fungicidal, depending on concentration. Inhibits biosynthesis of ergosterol or other sterols, damaging the fungal cell wall membrane and altering its permeability. As a result, loss of essential intracellular elements may occur. Also inhibits biosynthesis of triglycerides and phospholipids by fungi. In addition, inhibits oxidative and peroxidative enzyme activity, resulting in intracellular buildup of toxic concentrations of hydrogen peroxide, which may contribute to deterioration of subcellular organelles and cellular necrosis. In *Candida albicans*, inhibits transformation of blastospores into invasive mycelial form. Clotrimazole appears to be minimally absorbed following topical application to the skin.

## **INDICATIONS:**

Topical clotrimazole is indicated in the treatment of cutaneous candidiasis (moniliasis) caused by *Candida albicans* (*Monilia albicans*). Also indicated in the treatment of tinea corporis (ringworm of the body), tinea cruris (ringworm of the groin), tinea pedis (ringworm of the foot), caused by *Trichophyton rubrum*, *T. mentagrophytes*, *Epidermophyton floccosum* and *Microsporum canis*. Topical clotrimazole is also indicated in the treatment of tinea versicolor caused by *Pityrosporum orbiculare* (*Malassezia furfur*).

## **DOSAGE & ADMINISTRATION:**

Gently massage sufficient cream into the affected surrounding skin areas twice a day, in the morning and evening.

## **ROUTE OF ADMINISTRATION:**

Topical Administration

## **CONTRAINDICATIONS:**

Contraindicated in individuals who have shown sensitivity to clotrimazole.

## **SIDE EFFECTS:**

Hypersensitivity reactions which include skin rash, hives, blistering, burning, itching, peeling, redness, stinging, swelling, or other sign of skin irritation not present before therapy.

**WARNING AND PRECAUTIONS:**

When this medication is used in the treatment of candidiasis, occlusive dressings should be avoided since they provide conditions that favour growth of yeast and release of its irritating endotoxin. Use of topical antifungals may lead to skin sensitization, resulting in hypersensitivity reactions with subsequent topical use of the medication. If irritation or sensitivity develops with the use of Clotrimazole, treatment should be discontinued and appropriate therapy instituted. Use the medication for the full treatment time even though the symptoms may have improved. Consult the doctor if there is no improvement after four weeks of treatment. If there is lack of response to clotrimazole, appropriate microbial studies should be repeated to confirm the diagnosis and rule out other pathogens before instituting another course of antimycotic therapy. Avoid contact with the eyes.

**PREGNANCY AND LACTATION:**

Adequate and well-controlled studies in human have not been done. It is recommended that clotrimazole should be used in pregnancy only when considered necessary by the clinician. It is not known whether clotrimazole is excreted in breast milk; however, clotrimazole is poorly and erratically absorbed, even when swallowed.

**INTERACTION WITH OTHER MEDICAMENTS:**

None known

**EFFECTS ON ABILITY TO DRIVE AND USE MACHINE:**

None known

**OVERDOSAGE & TREATMENT:**

Acute overdosage with topical application of clotrimazole is unlikely.

**PRESENTATION:**

Aluminium tubes of 10gm and 15gm

**STORAGE CONDITIONS:**

Store in a cool dry place below 30°C.

Keep containers tightly closed.

Protect from light and freezing.

For external use only.

Keep medicine out of reach of children.

**MANUFACTURED BY:**

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**DATE OF REVISION:**

June 2021