

COMPOSITION:-

Ketoconazole I.P. 2% W/W
Cetrimide I.P. 0.5% W/W

Grade-1 (76 TFM Soap)

MECHANISM OF ACTION:-

Ketoconazole interferes with the fungal synthesis of ergosterol, a constituent of cell membranes, as well as certain enzymes. It is specific for fungi, as the equivalent mammalian pathway, leading to the biosynthesis of cholesterol, is not sensitive to ketoconazole. However, other mammalian cytochrome P450 enzymes can be sensitive to ketoconazole, and inhibition of steroid hormone synthesis is a possible side effect of ketoconazole treatment. As with all Azole antifungal agents, ketoconazole works principally by inhibition of an enzyme, cytochrome P450 14-alpha-demethylase (P45014DM). This enzyme is in the sterol biosynthesis pathway that leads from lanosterol to ergosterol. Fluconazole and itraconazole have been found to have a greater affinity for fungal cell membrane than ketoconazole, and thus lower doses of these azoles are required to kill fungi.

Cetrimide is a type of agar used for the selective isolation of the gram-negative bacteria, *Pseudomonas aeruginosa*. As the name suggests, it contains Cetrimide, which is the selective agent against alternate microbial flora. Cetrimide also enhances the production of *Pseudomonas* pigments such as pyocyanin and fluorescein, which show a characteristic blue-green and yellow-green colour, respectively.

INDICATIONS:-

ZOYA Soap provides relief from itching skin folds of inner thighs, waist, buttocks, underside of breast & armpits due to sweat retention, warmth, humidity, friction & simultaneous growth of resident organism. If applied on head it is used for the prevention and treatment of dandruff caused by fungal infections of the scalp, as well as for the relief of associated symptoms such as flaking, scaling and itching.

CONTRA-INDICATIONS:-

Known hypersensitivity to ketoconazole or any of the other ingredients which may be recognized by severe itching and red-skin after application of the soap.

WARNINGS:-

As with other soap, avoid contact in the eyes. If this happens, however, rinse the eyes with water. If a severe rash or irritations appear after application, stop using the soap.
DIRECTIONS FOR USE Wet the body and rub gently to produce lather, leave it for 3 to 5 minutes and then rinse thoroughly. Use regularly to prevent occurrences.

SIDE-EFFECTS AND SPECIAL PRECAUTIONS:-

A local burning sensation, itching, contact dermatitis (due to irritation or allergy) may occur. Although ketoconazole is not absorbed through the skin, the use of ZOYA is not recommended during pregnancy, as safety in pregnancy and lactation has not been established.

KNOWN SYMPTOMS OF OVERDOSAGE AND PARTICULARS OF ITS TREATMENT:-

Not expected since ZOYA is intended for external use only. In the event of accidental ingestion, only supportive measures should be carried out. To avoid aspiration, neither emesis nor gastric lavage should be performed.

IDENTIFICATION:- An opaque blue to yellowish colour cake with a slight perfume odour.

PACKING DETAILS:- Sealed in poly bag, Packed in a carton. (75 GM * 12 Soaps Shrink Pack)

