



# Aknill™ Gel

Isotretinoin 0.05% w/w

## Presentation

Aknill™ 10 gram Gel: Each gram gel contains Isotretinoin USP 0.5 mg.

Aknill™ 20 gram Gel: Each gram gel contains Isotretinoin USP 0.5 mg.

## Description

Isotretinoin is structurally and pharmacologically related to vitamin A which regulates epithelial cell growth and differentiation. Isotretinoin has topical anti-inflammatory actions. Topically applied Isotretinoin inhibits leukotriene-B<sub>4</sub> induced migration of polymorphonuclear leukocytes which accounts for topical Isotretinoin's anti-inflammatory action.

## Indications and usage

For the treatment of mild to moderate inflammatory and non-inflammatory acne vulgaris.

## Dosage and administration

### Adolescents & Adults

Apply once or twice daily, preferably after washing and drying the skin.

Patients should be advised that 6-8 weeks of treatment may be required before the full effect is observed.

### Use in Children

The safety and efficacy of topical Isotretinoin in children prior to puberty have not been established, therefore Isotretinoin is not recommended for use in this population.

### Use in the Elderly

There is no specific recommendation as acne vulgaris is rarely present in the elderly.

## Contraindications

- Pregnancy & lactation
- Sunburnt skin, broken skin or skin affected by eczema
- Hypersensitivity to the active substance or to any of the excipients

## Precautions

- This preparation is for external use only
- Avoid contact of this medicine with the eyes, mouth, mucous membranes (e.g. linings of the nose) and broken areas of skin or areas affected by eczema
- If you experience severe redness, peeling, or severe irritation of the skin you should apply this medicine less frequently or stop using it temporarily. If the irritation persists you should stop using the medicine completely and consult your doctor

## Side effects

- Local skin reaction, e.g. stinging, burning, redness, irritation at the site of application
- Increased sensitivity of skin to sunlight
- Skin peeling

## Sensitivity to sun

- Aknill gel may cause increased sensitivity to sunlight
- Avoid spending a long time in the sun while using Aknill gel
- When exposure to sunlight cannot be avoided, use sunscreen cream & wear protective clothing

## Pregnancy & lactation

Topical Isotretinoin is not given in pregnancy. While using the Isotretinoin gel, an effective method of contraception should be used to prevent pregnancy. Treatment should be discontinued for one cycle prior to intended conception.

There is insufficient information on the excretion of topically applied isotretinoin in human milk. So, breast feeding should be stopped while using the gel.

## Drug interactions

Concomitant application of oxidizing agents, such as benzoyl peroxide should be avoided since they may reduce the efficacy of topical isotretinoin. If combination therapy is required, the products should be applied at different times of the day (e.g. one in the morning and the other in the evening).

## Storage

Do not store above 30 °C. Keep away from light and out of the reach of children. This product is flammable. Keep the gel away from flames and all sources of ignition.

## Commercial pack

Aknill™ 10 gram Gel: Each aluminium tube contains 10 gm gel.

Aknill™ 20 gram Gel: Each aluminium tube contains 20 gm gel.