

## **Scarin cream**

### **Permethrin 5% w/w**

#### **Composition:**

Each 100 gm cream contains 5 gm Permethrin in a smooth, white & water miscible base.

#### **Description:**

Permethrin is a photostable synthetic pyrethroid that possesses a broad spectrum of insecticidal activity and low mammalian toxicity. Permethrin acts as a neurotoxin by depolarizing nerve cell membranes of parasites. Permethrin is rapidly metabolized in mammals by ester hydrolysis to inactivate metabolites which are excreted primarily through urine.

#### **Indication:**

Scarin cream is indicated for the treatment of Scabies, a contagious skin disease due to the itch mite, *Sarcoptes scabiei*.

#### **Dosage:**

**Adult & children over 12 years:** upto 1 tube (30 gm). **Children aged 6-12 years:** upto ½ of a tube (15 gm). **Children aged 1-5 years:** upto ¼ of a tube (7.50 gm). **Children aged 2 months-1 year:** upto 1/8 of a tube (3.75 gm).

#### **Administration in adult:**

Ensure that the skin is clean, dry & cold prior to applying the cream. Apply Scarin cream into the skin over the whole body excluding the head, paying special attention to areas between fingers, toes, wrists, axillae, thighs, external genitalia & buttocks. The whole body should be washed thoroughly 8-12 hours later. If hands or any area of the body is subsequently washed with soap and water within 8 hours of application, Scarin cream should be reapplied. A single application is sufficient in most cases. If necessary, Scarin cream may be reapplied after 7 days of initial application.

#### **Dosage & Administration:**

**In Adult:** Administration procedure of Scarin cream for these patient groups is same as adults and children above 2 years. However, as scabies lesion on the face, neck, scalp and ears and more widespread in elderly & children between 2 months and 2 years of age, Scarin should also be applied to these areas. In this case, care must be taken to avoid applying Scarin cream to areas close to eyes and in the vicinity of mouth where it would be licked off. **Children between 2 months to 2 years:** Should be treated under medical supervision.

#### **Contraindication:**

Permethrin cream is contraindicated in individuals with known hypersensitivity to Permethrin and other constituents of the formulation.

**Precaution:**

For external use only. Avoid contact of Permethrin cream with eyes. In the event of inadvertent eye contamination, rinse with water or normal saline if possible. Nursing staffs who routinely come in contact with the cream may wear gloves to avoid any possible irritation to the hands. It is important that all family members & household contacts are treated at the same time to prevent reinfection.

**Pregnancy & lactation:**

In the absence of specific studies in pregnant women its use in pregnancy should only follow medical advice. However, teratogenic effects would not be anticipated. Although caution should be exercised in administration of Permethrin to nursing mothers.

**Side effect:**

Skin discomfort, usually described as burning or stinging, occurs in a few individuals soon after Permethrin cream is applied. Other transient signs & symptoms of irritation including erythema, edema, eczema, rash & pruritus are generally considered to be the part of the natural history of scabies. In some treated patients itching may persist for up to 4 weeks because of allergic reactions to the dead mites under the skin and does not necessarily signify a treatment failure.

**Drug interaction:**

None is known.

**Presentation:**

**Scarlin-30 cream:** Each tube contains 30 gm cream.

**Scarlin-15 cream:** Each tube contains 15 gm cream.

**Manufactured by:**

The IBN SINA Pharmaceutical Industry Ltd.  
Shafipur, Kliakoir, Gazipur, Bangladesh.