

Betamethasone valerate & Clioquinol

BETACREAM-N[®]

Composition:

Betamethasone valerate	0.1% w/w
Neomycin	0.5 % w/w
Chlorocresol (as Preservative)	0.1% w/w

Betacream-N cream contains two active ingredients, betamethasone valerate and neomycin sulphate. Betamethasone valerate is a type of medicine called a **topical corticosteroid**.

Corticosteroids are medicines used for reducing inflammation. Inflammation of the skin happens as a result of allergy or irritation of the skin, and is caused by the release of various substances that are important in the immune system. These substances cause blood vessels to widen and result in the irritated area becoming red, swollen, itchy and painful, such as is seen in dermatitis or eczema. When betamethasone is applied to the skin it works by acting inside the cells to decrease the release of these inflammatory substances. This reduces swelling, redness and itch. Betamethasone is a potent corticosteroid.

Neomycin is an antibiotic of the aminoglycoside type. It kills bacteria so is described as bactericidal. The combination of betamethasone and neomycin is used to treat inflammatory skin disorders, which are either infected or likely to become infected.

Mechanism of Action

Aminoglycosides like neomycin "irreversibly" bind to specific 30S-subunit proteins and 16S rRNA. Specifically neomycin binds to four nucleotides of 16S rRNA and a single amino acid of protein S12. This interferes with decoding site in the vicinity of nucleotide 1400 in 16S rRNA of 30S subunit. This region interacts with the wobble base in the anticodon of tRNA. This leads to interference with the initiation complex, misreading of mRNA so incorrect amino acids are inserted into the polypeptide leading to nonfunctional or toxic peptides and the breakup of polysomes into nonfunctional monosomes.

Indications:

BETACREAM-N can be used to treat

- An eruption of hard nodules in the skin accompanied by intense itching (prurigo nodularis)
- Eczema
- Infected insect bites
- Inflammation of the skin around the genitals or anus, caused by skin surfaces rubbing together (genital or perianal intertrigo)
- Inflammation or irritation of the skin caused by a reaction to irritants (contact dermatitis)
- Inflammatory skin condition with greasy, red and scaly areas (seborrhoeic dermatitis)
- Inflammatory skin disease known as discoid lupus erythematosus (DLE)
- Psoriasis
- Thickened skin rash caused by excessive scratching to relieve itching (neurodermatitis)

Directions for use:

It is usually applied one to four times a day. Follow the directions on your prescription label carefully, and ask your doctor or pharmacist to explain any part you do not understand. Use **BETACREAM-N** exactly as directed. Do not use more or less of it or use it more often than prescribed by your doctor. Do not apply it to other areas of your body or wrap or bandage the treated area unless directed to do so by your doctor.

Wash or soak the affected area thoroughly before applying the medicine, unless it irritates your skin. Then apply the ointment or cream sparingly in a thin film and rub it in gently.

Apply the missed dose as soon as you remember it. However, if it is almost time for the next dose, skip the missed dose and continue your regular dosing schedule. Do not apply a double dose to make up for a missed one.

Side effects:

Possible side effects of Betacream-N Cream may include:

- Thinning of the skin
- Changes in skin pigmentation
- Stretch marks
- Excessive hair growth (hypertrichosis)
- Slight widening of the veins in the skin, especially the face

Warning!

- If corticosteroids are used long-term, on large areas of skin, raw skin, skin folds, or under airtight dressings (including nappies) they are absorbed into the body more. This increases the risk of local side effects such as skin thinning, and those on other parts of the body, such as a decrease in the production of natural hormones by the adrenal glands. For this reason, continuous, long-term use of this medicine should be avoided wherever possible, particularly in children and on large areas of skin. You should only use airtight dressings over the affected area if instructed by your doctor.
- This preparation is for external use only.
- If you have been prescribed this medicine to treat psoriasis you should have regular check-ups with your doctor. This is because although corticosteroids may be useful for psoriasis in the short-term, they can sometimes make psoriasis worse, and may cause the condition to relapse into generalized pustular psoriasis after the treatment is stopped.
- Avoid contact of this medicine with the eyes and the moist membranes lining the inside of certain parts of the body, e.g. mouth, nasal passages (mucous membranes). Rinse with cold water if accidental contact occurs.
- This medicine should not be used for longer than five days on the face or in children.
- If your doctor has advised you to use dressings with this medicine, the skin should be cleansed before a fresh dressing is applied.
- If this medicine is to be used on the face or in children, you should not use airtight dressings (including nappies) to cover the area treated, as this may increase the absorption of the medicine into the body, increasing the risk of adverse effects.

- Wash your hands thoroughly after applying this medicine, unless the hands are the area being treated.
- Do not use this medicine for longer than instructed by your doctor, or for recurrent infections, as this may cause the skin to become over-sensitive or allergic to the medicine.
- Consult your doctor if any infection spreads, or if after seven days of treatment with this medicine there is little or no improvement in your symptoms, as you may need to stop using this medicine or take a course of antibiotics by mouth.
- Do not dilute this preparation with moisturizers or anything else.

Not to be used in

- Fungal skin infections, e.g. athlete's foot, ringworm, candida skin infections.
- Viral skin infections such as chickenpox or herpes simplex.
- Tuberculosis affecting the skin.
- Acne rosacea.
- Acne vulgaris.
- Inflammatory rash around the mouth (perioral dermatitis).
- Skin ulcers.
- Itchy skin around the genitals or anus.
- Children under two years old.
- Widespread plaque psoriasis.
- Areas of skin that are very thin and fragile or have broken veins.

If you feel you have experienced an allergic reaction, stop using this medicine and inform your doctor or pharmacist immediately.

Pregnancy and breastfeeding

Certain medicines should not be used during pregnancy or breastfeeding. However, other medicines may be safely used in pregnancy or breastfeeding providing the benefits to the mother outweigh the risks to the unborn baby. Always inform your doctor if you are pregnant or planning a pregnancy, before using any medicine.

- The safety of this medicine for use during pregnancy and breastfeeding has not been established. It is not recommended for use during pregnancy or breastfeeding. Consult your doctor for further advice.

STORAGE:

Keep this medication in the container it came in, tightly closed, and out of reach of children. Keep out of reach of children. Store it in cool & dark place. DO NOT FREEZE.

Presentation

10 gm Tube

For further information, please contact:

Market Planning Department



Deurali-Janta Pharmaceuticals Pvt. Ltd.

GPO Box 4239, 355 Hattisar Road, Kamalpokhari, Kathmandu, Nepal.

Tel: 4435167/68/69 E-mail: mplanning@deuralijanta.com Website: www.deuralijanta.com

