Clobetasol Propionate Ointment USP, 0.05%
Rx Only
FOR TOPICAL DERMATOLOGIC USE ONLY-
NOT FOR OPHTHALMIC, ORAL, OR INTRAVAGINAL USE

DESCRIPTION
Clobetasol Propionate Ointment USP, 0.05% contains the active compound clobetasol propionate USP, a synthetic corticosteroid, for topical dermatologic use. Clobetasol, an analog of prednisolone, has a high degree of glucocorticoid activity and a slight degree of mineralocorticoid activity.

Chemically, clobetasol propionate USP is 21-Chloro-9-fluoro-11β,17-dihydroxy-16β-methylpregna-1,4-diene-3,20-dione 17-propionate, and it has the following structural formula:

![Clobetasol Propionate Structural Formula](image)

Clobetasol propionate USP has the empirical formula of C_{25}H_{32}ClFO_{5} and a molecular weight of 466.97. It is a white to almost white, crystalline powder, practically insoluble in water, slightly soluble in benzene and diethyl ether; sparingly soluble in ethanol; freely soluble in acetone, in dimethylsulfoxide, in chloroform, in methanol and in dioxane.

Clobetasol Propionate Ointment USP, 0.05% contains clobetasol propionate USP 0.5 mg/g in a base of propylene glycol, sorbitan sesquioleate, and white petrolatum.

CLINICAL PHARMACOLOGY
Like other topical corticosteroids, clobetasol propionate has anti-inflammatory, antipruritic, and
vasoconstrictive properties. The mechanism of the anti-inflammatory activity of the topical steroids, in
general, is unclear. However, corticosteroids are thought to act by the induction of phospholipase A\textsubscript{2} inhibitory proteins, collectively called lipocortins. It is postulated that these proteins control the
biosynthesis of potent mediators of inflammation such as prostaglandins and leukotrienes by inhibiting
the release of their common precursor, arachidonic acid. Arachidonic acid is released from membrane
phospholipids by phospholipase A\textsubscript{2}.

**Pharmacokinetics**

The extent of percutaneous absorption of topical corticosteroids is determined by many factors,
including the vehicle and the integrity of the epidermal barrier. Occlusive dressing with hydrocortisone
for up to 24 hours has not been demonstrated to increase penetration; however, occlusion of
hydrocortisone for 96 hours markedly enhances penetration. Topical corticosteroids can be absorbed
from normal intact skin. Inflammation and/or other disease processes in the skin may increase
percutaneous absorption.

Studies performed with clobetasol propionate ointment indicate that they are in the super-high range of
potency as compared with other topical corticosteroids.

**INDICATIONS AND USAGE**

Clobetasol propionate ointment is a super-high potency corticosteroid formulation indicated for the
relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses.
Treatment beyond 2 consecutive weeks is not recommended, and the total dosage should not exceed 50
grams per week because of the potential for the drug to suppress the hypothalamic-pituitary-adrenal
(HPA) axis. Use in pediatric patients under 12 years of age is not recommended.

As with other highly active corticosteroids, therapy should be discontinued when control has been
achieved. If no improvement is seen within 2 weeks, reassessment of the diagnosis may be necessary.

**CONTRAINDICATIONS**

Clobetasol propionate ointment is contraindicated in those patients with a history of hypersensitivity to
any of the components of the preparations.

**PRECAUTIONS**

**General**

Clobetasol propionate ointment should not be used in the treatment of rosacea or perioral dermatitis, and
should not be used on the face, groin, or axillae.

Systemic absorption of topical corticosteroids can produce reversible HPA axis suppression with the
potential for glucocorticosteroid insufficiency after withdrawal from treatment. Manifestations of
Cushing's syndrome, hyperglycemia, and glucosuria can also be produced in some patients by systemic
absorption of topical corticosteroids while on therapy.

Patients applying a topical steroid to a large surface area or to areas under occlusion should be
evaluated periodically for evidence of HPA axis suppression. This may be done by using the ACTH
stimulation, A.M. plasma cortisol, and urinary free cortisol tests. Patients receiving super-potent
corticosteroids should not be treated for more than 2 weeks at a time, and only small areas should be
treated at any one time due to the increased risk of HPA suppression.

Clobetasol propionate ointment produced HPA axis suppression when used at doses as low as 2 grams
per day for 1 week in patients with eczema.

If HPA axis suppression is noted, an attempt should be made to withdraw the drug, to reduce the
frequency of application, or to substitute a less potent corticosteroid. Recovery of HPA axis function is generally prompt upon discontinuation of topical corticosteroids. Infrequently, signs and symptoms of glucocorticosteroid insufficiency may occur that require supplemental systemic corticosteroids. For information on systemic supplementation, see prescribing information for those products.

Pediatric patients may be more susceptible to systemic toxicity from equivalent doses due to their larger skin surface to body mass ratios (see PRECAUTIONS: Pediatric Use).

If irritation develops, clobetasol propionate ointment should be discontinued and appropriate therapy instituted. Allergic contact dermatitis with corticosteroids is usually diagnosed by observing a failure to heal rather than noting a clinical exacerbation as with most topical products not containing corticosteroids. Such an observation should be corroborated with appropriate diagnostic patch testing.

If concomitant skin infections are present or develop, an appropriate antifungal or antibacterial agent should be used. If a favorable response does not occur promptly, use of clobetasol propionate ointment should be discontinued until the infection has been adequately controlled.

Information for Patients

Patients using topical corticosteroids should receive the following information and instructions:

1. This medication is to be used as directed by the physician. It is for external use only. Avoid contact with the eyes.
2. This medication should not be used for any disorder other than that for which it was prescribed.
3. The treated skin area should not be bandaged, otherwise covered or wrapped, so as to be occlusive unless directed by the physician.
4. Patients should report any signs of local adverse reactions to the physician.

Laboratory Tests

The following tests may be helpful in evaluating patients for HPA axis suppression:

- ACTH stimulation test
- A.M. plasma cortisol test
- Urinary free cortisol test.

Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term animal studies have not been performed to evaluate the carcinogenic potential of clobetasol propionate.

Studies in the rat following subcutaneous administration at dosage levels up to 50 mcg/kg per day revealed that the females exhibited an increase in the number of resorbed embryos and a decrease in the number of living fetuses at the highest dose.

Clobetasol propionate was nonmutagenic in three different test systems: the Ames test, the Saccharomyces cerevisiae gene conversion assay, and the E. coli B WP2 fluctuation test.

Pregnancy

Teratogenic Effects: Pregnancy Category C

Corticosteroids have been shown to be teratogenic in laboratory animals when administered systemically at relatively low dosage levels. Some corticosteroids have been shown to be teratogenic after dermal application to laboratory animals.

Clobetasol propionate has not been tested for teratogenicity when applied topically; however, it is absorbed percutaneously, and when administered subcutaneously it was a significant teratogen in both the rabbit and mouse. Clobetasol propionate has greater teratogenic potential than steroids that are less
Teratogenicity studies in mice using the subcutaneous route resulted in fetotoxicity at the highest dose tested (1 mg/kg) and teratogenicity at all dose levels tested down to 0.03 mg/kg. These doses are approximately 1.4 and 0.04 times, respectively, the human topical dose of clobetasol propionate ointment. Abnormalities seen included cleft palate and skeletal abnormalities.

In rabbits, clobetasol propionate was teratogenic at doses of 3 and 10 mcg/kg. These doses are approximately 0.02 and 0.05 times, respectively, the human topical dose of clobetasol propionate ointment. Abnormalities seen included cleft palate, cranioschisis, and other skeletal abnormalities.

There are no adequate and well-controlled studies of the teratogenic potential of clobetasol propionate in pregnant women. Clobetasol propionate ointment should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nursing Mothers

Systemically administered corticosteroids appear in human milk and could suppress growth, interfere with endogenous corticosteroid production, or cause other untoward effects. It is not known whether topical administration of corticosteroids could result in sufficient systemic absorption to produce detectable quantities in human milk. Because many drugs are excreted in human milk, caution should be exercised when clobetasol propionate ointment is administered to a nursing woman.

Pediatric Use

Safety and effectiveness of clobetasol propionate ointment in pediatric patients have not been established. Use in pediatric patients under 12 years of age is not recommended. Because of a higher ratio of skin surface area to body mass, pediatric patients are at a greater risk than adults of HPA axis suppression and Cushing's syndrome when they are treated with topical corticosteroids. They are therefore also at greater risk of adrenal insufficiency during or after withdrawal of treatment. Adverse effects including striae have been reported with inappropriate use of topical corticosteroids in infants and children.

HPA axis suppression, Cushing's syndrome, linear growth retardation, delayed weight gain, and intracranial hypertension have been reported in children receiving topical corticosteroids. Manifestations of adrenal suppression in children include low plasma cortisol levels, and an absence of response to ACTH stimulation. Manifestations of intracranial hypertension include bulging fontanelles, headaches, and bilateral papilledema.

Geriatric Use

A limited number of patients at or above 65 years of age have been treated with clobetasol propionate ointment (n = 101) in US and non-US clinical trials. While the number of patients is too small to permit separate analysis of efficacy and safety, the adverse reactions reported in this population were similar to those reported by younger patients. Based on available data, no adjustment of dosage of clobetasol propionate ointment in geriatric patients is warranted.

ADVERSE REACTIONS

In controlled clinical trials, the most frequent adverse events reported for clobetasol propionate ointment were burning sensation, irritation, and itching in 0.5% of treated patients. Less frequent adverse reactions were stinging, cracking, erythema, folliculitis, numbness of fingers, skin atrophy, and telangiectasia.

Cushing's syndrome has been reported in infants and adults as a result of prolonged use of topical clobetasol propionate formulations.

The following additional local adverse reactions have been reported with topical corticosteroids, and
they may occur more frequently with the use of occlusive dressings and higher potency corticosteroids. These reactions are listed in an approximately decreasing order of occurrence: dryness, acneiform eruptions, hypopigmentation, perioral dermatitis, allergic contact dermatitis, secondary infection, irritation, striae, and miliaria.

OVERDOSAGE
Topically applied clobetasol propionate ointment can be absorbed in sufficient amounts to produce systemic effects (see PRECAUTIONS).

DOSAGE AND ADMINISTRATION
Apply a thin layer of clobetasol propionate ointment to the affected skin areas twice daily and rub in gently and completely. (See INDICATIONS AND USAGE).

Clobetasol propionate ointment is a super-high potency topical corticosteroid; therefore, treatment should be limited to 2 consecutive weeks and amounts greater than 50 grams per week should not be used.

As with other highly active corticosteroids, therapy should be discontinued when control has been achieved. If no improvement is seen within 2 weeks, reassessment of diagnosis may be necessary. Clobetasol propionate ointment should not be used with occlusive dressings.

Geriatric Use: In studies where geriatric patients (65 years of age or older, see PRECAUTIONS) have been treated with clobetasol propionate ointment, safety did not differ from that in younger patients; therefore, no dosage adjustment is recommended.

HOW SUPPLIED
Clobetasol Propionate Ointment USP, 0.05% is available as follows:

- NDC 68462-530-17 15 g tube (1 tube per carton)
- NDC 68462-530-35 30 g tube (1 tube per carton)
- NDC 68462-530-47 45 g tube (1 tube per carton)
- NDC 68462-530-65 60 g tube (1 tube per carton)

Store at 20° to 25°C (68° to 77°F); excursions permitted to 15° to 30°C (59° to 86°F) [See USP Controlled Room Temperature]. Do not refrigerate.

Manufactured by:

Glenmark Pharmaceuticals Limited
Village : Kishanpura, Baddi Nalagarh Road
District : Solan, Himachal Pradesh – 173205
India

Manufactured for:

Glenmark Pharmaceuticals Inc., USA
Mahwah, NJ 07430

Questions? 1(888)721-7115
www.glenmarkpharma.com/usa

March 2017

PACKAGE/LABEL PRINCIPAL DISPLAY PANEL
Clobetasol Propionate Ointment USP, 0.05%

For dermatologic use only. Not for ophthalmic use.

Rx only

15 g

Contains: Clobetasol propionate USP 0.05% in an ointment base composed of propylene glycol, sorbitan sesquioleate, and white petrolatum

WARNING: Keep out of reach of children.

See package insert for full prescribing information.

Store at 20°C to 25°C (68°F to 77°F); excursions permitted to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Do not refrigerate.

See crimp for lot no. and expiration date.

Important: Do not use if seal has been punctured or is not visible.

To Open: Use cap to puncture seal.

Manufactured by: Glenmark Pharmaceuticals Ltd.
Village: Kishanpura,
Baddi Nalagarh Road, District: Solan,
Himachal Pradesh - 172025, India

Mfg. Lic. No.: MNB/05/182

Manufactured for:
Glenmark Pharmaceuticals Inc., USA
Mahwah, NJ 07430
11/16

Questions? 1 (888)721-7115
www.glenmarkpharma.com

Questions? 1 (888)721-7115
www.glenmarkpharma.com/usa

UNAVENISHED
AREA
45 mm x 25 mm

UNAVENISHED
AREA
27 mm x 16 mm
NDC 58462-530-47

Clobetasol Propionate **Ointment** USP, 0.05%

For dermatologic use only. Not for ophthalmic use.

Rx only 45 g

Contains: Clobetasol propionate USP 0.05% in an ointment base composed of propylene glycol, sorbitan sesquioleate, and white petrolatum

**WARNING:** Keep out of reach of children.

See package insert for full prescribing information.

Store at 20° to 25°C (68° to 77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature]. Do not refrigerate.

See crimp lot no. and expiration date.

**Important:** Do not use if seal has been punctured or is not visible.

To Open: Use cap to puncture seal.

Mfg. Lic. No.: MN/05/182

Manufactured by: Glenmark Pharmaceuticals Ltd.
Village: Kishangara
Baddi, Nalagarh Road, District: Solan,
Himachal Pradesh - 173205, India

Manufactured for: Glenmark Pharmaceuticals Inc., USA
Mûhaw, NJ 07430
11/18

Questions? 1 (888) 721-7115
www.glenmarkpharma.com/usa

PE373111116-1
NDC 68462-538-47

Clobetasol Propionate Ointment USP, 0.05%

For dermatologic use only. Not for ophthalmic use.

Rx only

45 g

Contains: Clobetasol propionate USP 0.05% in an ointment base composed of propylene glycol, sorbitan sesquioleate, and white petrolatum.

WARNING: Keep out of reach of children.

See package insert for full prescribing information.

Store at 20° to 25°C (68° to 77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature]. Do not refrigerate.

Important: The opening of this product is covered by a metal temper-resistant seal. If this seal has been punctured or is not visible, do not use and return product to place of purchase.

To Open: To puncture the seal, reverse the cap and place the puncture-top onto the tube. Push down firmly until seal is open.

To Close: Screw the cap back onto the tube.

NDC 68462-538-47

Clobetasol Propionate Ointment USP, 0.05%

For dermatologic use only. Not for ophthalmic use.

Rx only

45 g

PACKAGE/LABEL PRINCIPAL DISPLAY PANEL
Clobetasol Propionate Ointment USP, 0.05%  
For dermatologic use only. Not for ophthalmic use.

Rx only  
60 g

Contains: Clobetasol propionate USP 0.05% in an ointment base composed of propylene glycol, sorbitan sesquioleate, and white petrolatum

WARNING: Keep out of reach of children.

See package insert for full prescribing information.
Store at 20° to 25°C (68° to 77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature]. Do not refrigerate.
See crimp for lot no. and expiration date.

Important: Do not use if seal has been punctured or is not visible.

To Open: Use cap to puncture seal.

Mfg. Lic. No.: MNB/05/182

Manufactured by: Glenmark Pharmaceuticals Ltd.  
Village: Kishaapura, Baddi Nalagarh Road, District: Solan, Himachal Pradesh - 173205, India

Manufactured for: Glenmark Pharmaceuticals Inc., USA Mahwah, NJ 07430  
11/16

Questions? 1 (888)721-7115  
www.glenmarkpharma.com/usa  
PE378121116-1

PACKAGE/LABEL PRINCIPAL DISPLAY PANEL
CLOBETASOL PROPIONATE

Clobetasol Propionate Ointment USP, 0.05%

For dermatologic use only. Not for ophthalmic use.

Rx only 60g

Contains: Clobetasol propionate USP 0.05% in an ointment base composed of propylene glycol, sorbitan sesquioleate, and white petrolatum

WARNING: Keep out of reach of children.

See package insert for full prescribing information.

Store at 20° to 25°C (68° to 77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature]. Do not refrigerate.

Important: The opening of this product is covered by a metal temper-resistant seal. If this seal has been punctured or is not visible, do not use and return product to place of purchase.

To Open: To puncture the seal, reverse the cap and place the puncture-top onto the tube. Push down firmly until seal is open.

To Close: Screw the cap back onto the tube.

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CLOBETASOL PROPIONATE

clobetasol propionate ointment

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### Establishment

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Revised: 1/2018

Glenmark Pharmaceuticals Inc., USA