

# **HYDROCORTISONE BUTYRATE- hydrocortisone butyrate cream**

## **Glenmark Pharmaceuticals Inc., USA**

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### **HIGHLIGHTS OF PRESCRIBING INFORMATION**

**These highlights do not include all the information needed to use HYDROCORTISONE BUTYRATE CREAM safely and effectively. See full prescribing information for HYDROCORTISONE BUTYRATE CREAM.**

### **HYDROCORTISONE BUTYRATE Cream, 0.1% (Lipophilic) for topical use**

**Initial U.S. Approval: 1982**

### ----- **INDICATIONS AND USAGE** -----

Hydrocortisone butyrate cream, 0.1% (lipophilic) is a corticosteroid indicated for:

- Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses in adults. (1)
- The treatment of mild to moderate atopic dermatitis in patients 3 months to 18 years of age. (1)

### ----- **DOSAGE AND ADMINISTRATION** -----

- Apply a thin layer to the affected skin areas two or three times daily for corticosteroid-responsive dermatoses in adults. (2)
- Apply a thin layer to the affected skin areas two times daily for atopic dermatitis in patients 3 months of age and older. (2)
- Rub in gently. (2)
- Discontinue hydrocortisone butyrate cream, 0.1% (lipophilic) when control is achieved. (2)
- Reassess diagnosis if no improvement is seen within 2 weeks. Before prescribing for more than 2 weeks, any additional benefits of extending treatment to 4 weeks should be weighed against the risk of HPA axis suppression and local adverse events. Safety and efficacy of hydrocortisone butyrate cream, 0.1% (lipophilic) has not been established beyond 4 weeks of use. (2)
- Avoid use under occlusion or in the diaper area. (2)
- Hydrocortisone butyrate cream, 0.1% (lipophilic) is not for oral, ophthalmic, or intravaginal use. (2)

### ----- **DOSAGE FORMS AND STRENGTHS** -----

Cream, 0.1% (1 mg/g), supplied in tubes of 15 g, 45 g and 60 g. (3)

### ----- **CONTRAINDICATIONS** -----

None. (4)

### ----- **WARNINGS AND PRECAUTIONS** -----

- Reversible hypothalamic-pituitary-adrenal (HPA) axis suppression may occur, with the potential for glucocorticosteroid insufficiency. Consider periodic evaluations for HPA axis suppression if hydrocortisone butyrate cream is applied to large surface areas or used under occlusion. If HPA axis suppression is noted, reduce the application frequency, discontinue use, or switch to a lower potency corticosteroid. (5.1, 8.4)
- Systemic effects of topical corticosteroids may also include manifestations of Cushing's syndrome, hyperglycemia, and glucosuria. (5.1, 8.4)
- Pediatric patients may be more susceptible to systemic toxicity due to their larger skin surface-to-body-mass ratios. (5.1, 8.4)
- Initiate appropriate therapy if concomitant skin infections develop. (5.2)

### ----- **ADVERSE REACTIONS** -----

The most common adverse reactions ( $\geq 1\%$ ) are application site reactions. (6)

**To report SUSPECTED ADVERSE REACTIONS, contact Glenmark Pharmaceuticals Inc., USA at 1 (888)721-7115 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

**See 17 for PATIENT COUNSELING INFORMATION.**

**Revised: 6/2018**

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\* Sections or subsections omitted from the full prescribing information are not listed.

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## **FULL PRESCRIBING INFORMATION**

### **1 INDICATIONS AND USAGE**

Hydrocortisone butyrate cream, 0.1% (lipophilic) is indicated for:

- Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses in adults.
- The topical treatment of mild to moderate atopic dermatitis in pediatric patients 3 months to 18 years of age.

### **2 DOSAGE AND ADMINISTRATION**

For corticosteroid-responsive dermatoses in adults, apply a thin film to the affected skin areas two or three times daily, depending on the severity of the condition, and rub in gently.

For atopic dermatitis in patients 3 months to 18 years of age, apply a thin film to the affected skin areas two times daily, and rub in gently. Do not apply hydrocortisone butyrate cream, 0.1% (lipophilic) in the diaper area unless directed by a physician.

Discontinue therapy when control is achieved. If no improvement is seen within 2 weeks, reassessment of the diagnosis may be necessary. Before prescribing for more than 2 weeks, any additional benefits of extending treatment to 4 weeks should be weighed against the risk of HPA axis suppression and local

adverse events. The safety and efficacy of hydrocortisone butyrate cream, 0.1% (lipophilic) has not been established beyond 4 weeks of use [*see Warnings and Precautions (5.1)*].

Do not use hydrocortisone butyrate cream, 0.1% (lipophilic) with occlusive dressings unless directed by a physician. Avoid use in the diaper area, as diapers or plastic pants may constitute occlusive dressings.

Hydrocortisone butyrate cream, 0.1% (lipophilic) is not for oral, ophthalmic, or intravaginal use.

### **3 DOSAGE FORMS AND STRENGTHS**

Cream, 0.1%. Each gram of Hydrocortisone Butyrate Cream USP, 0.1% (Lipophilic) contains 1 mg of hydrocortisone butyrate, USP in a white to off-white, soft homogeneous cream base. Hydrocortisone Butyrate Cream USP, 0.1% (Lipophilic) is supplied in tubes of 15 g, 45 g and 60 g.

### **4 CONTRAINDICATIONS**

None.

### **5 WARNINGS AND PRECAUTIONS**

#### **5.1 Hypothalamic-Pituitary-Adrenal (HPA) Axis Suppression**

Systemic effects of topical corticosteroids may include reversible HPA axis suppression, manifestations of Cushing's syndrome, hyperglycemia, and glucosuria.

Studies conducted in pediatric subjects demonstrated reversible HPA axis suppression after use of hydrocortisone butyrate cream. Pediatric patients may be more susceptible than adults to systemic toxicity from equivalent doses of hydrocortisone butyrate cream due to their larger skin surface-to-body-mass ratios [*see Use in Specific Populations (8.4)*].

Patients applying a topical corticosteroid to a large surface area or to areas under occlusion should be considered for periodic evaluation of the HPA axis. This may be done by using cosyntropin (ACTH1-24) stimulation testing (CST).

Minimize systemic corticosteroid effects by mitigating the risk factors for increased systemic absorption and using hydrocortisone butyrate cream as recommended [*see Dosage and Administration (2)*].

If HPA axis suppression is noted, the frequency of application should be reduced or the drug should be withdrawn, or a less potent corticosteroid should be substituted. Signs and symptoms of glucocorticosteroid insufficiency may occur, requiring supplemental systemic corticosteroids [*see Adverse Reactions (6)*].

#### **5.2 Concomitant Skin Infections**

If skin infections are present or develop, an appropriate antifungal, antibacterial or antiviral agent should be used. If a favorable response does not occur promptly, use of hydrocortisone butyrate cream should be discontinued until the infection has been adequately controlled [*see Adverse Reactions (6)*].

#### **5.3 Allergic Contact Dermatitis**

Allergic contact dermatitis with corticosteroids is usually diagnosed by observing a failure to heal rather than noticing a clinical exacerbation. Such an observation should be corroborated with appropriate patch testing. Discontinue hydrocortisone butyrate cream if the diagnosis is established [*see Adverse Reactions (6)*].

## 6 ADVERSE REACTIONS

The following adverse reactions are discussed in greater detail in other sections of the labeling:

- HPA axis suppression. This has been observed in pediatric subjects using hydrocortisone butyrate cream [see *Warnings and Precautions (5.1) and Use in Specific Populations (8.4)*]
- Concomitant skin infections [see *Warnings and Precautions (5.2)*]
- Allergic contact dermatitis [see *Warnings and Precautions (5.3)*]

### 6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

The safety data derived from hydrocortisone butyrate cream clinical trials reflect exposure to hydrocortisone butyrate cream twice daily for up to four weeks in separate clinical trials involving pediatric subjects 3 months to 18 years of age with mild to moderate atopic dermatitis. Adverse reactions shown in the table below include those for which there is some basis to believe there is a causal relationship to hydrocortisone butyrate cream.

**TABLE 1. Frequency of adverse reactions in pediatric subjects with mild to moderate atopic dermatitis**

	<b>Hydrocortisone butyrate cream (N=131)</b>	<b>Vehicle (N=133)</b>
Application site reactions, including application site folliculitis, irritation, dermatitis, erythema	1.5%	1.5%
Acne	0.8%	0%
Telangiectasia	0%	0.8%

### 6.2 Postmarketing Experience

Because adverse reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

The following additional local adverse reactions have been reported infrequently with topical corticosteroids but may occur more frequently with the use of occlusive dressings. These reactions are listed in an approximate decreasing order of occurrence: burning, itching, drying, hypertrichosis, acneiform eruptions, hypopigmentation, perioral dermatitis, allergic contact dermatitis, maceration of the skin, secondary infection, skin atrophy, striae, and miliaria.

## 8 USE IN SPECIFIC POPULATIONS

### 8.1 Pregnancy

#### **Pregnancy Category C.**

There are no adequate and well-controlled studies in pregnant women. Therefore, hydrocortisone butyrate cream should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

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 in laboratory animals.

Note: The animal multiples of human exposure calculations in this label were based on body surface area comparisons for an adult (i.e., mg/m<sup>2</sup>/day dose comparisons) assuming 100% human percutaneous absorption of a maximum topical human dose (MTHD) for hydrocortisone butyrate cream (25 g).

Systemic embryofetal development studies were conducted in rats and rabbits. Subcutaneous doses of 0.6, 1.8 and 5.4 mg/kg/day hydrocortisone butyrate were administered to pregnant female rats during gestation days 6 to 17. In the presence of maternal toxicity, fetal effects noted at 5.4 mg/kg/day (2X MTHD) included an increased incidence of ossification variations and unossified sternebra. No treatment-related effects on embryofetal toxicity or teratogenicity were noted at doses of 5.4 and 1.8 mg/kg/day, respectively (2X MTHD and 0.7X MTHD, respectively).

Subcutaneous doses of 0.1, 0.2 and 0.3 mg/kg/day hydrocortisone butyrate were administered to pregnant female rabbits during gestation days 7 to 20. An increased incidence of abortion was noted at 0.3 mg/kg/day (0.2X MTHD). In the absence of maternal toxicity, a dose-dependent decrease in fetal body weight was noted at doses  $\geq$ 0.1 mg/kg/day (0.1X MTHD). Additional indicators of embryofetal toxicity (reduction in litter size, decreased number of viable fetuses, increased post-implantation loss) were noted at doses  $\geq$ 0.2 mg/kg/day (0.2X MTHD). Additional fetal effects noted in this study included delayed ossification noted at doses  $\geq$ 0.1 mg/kg/day and an increased incidence of fetal malformations (primarily skeletal malformations) noted at doses  $\geq$ 0.2 mg/kg/day. A dose at which no treatment-related effects on embryofetal toxicity or teratogenicity were observed was not established in this study.

Additional systemic embryofetal development studies were conducted in rats and mice. Subcutaneous doses of 0.1 and 9 mg/kg/day hydrocortisone butyrate were administered to pregnant female rats during gestation days 9 to 15. In the presence of maternal toxicity, an increase in fetal deaths and fetal resorptions and an increase in the number of ossifications in caudal vertebrae were noted at a dose of 9 mg/kg/day (3X MTHD). No treatment-related effects on embryofetal toxicity or teratogenicity were noted at 0.1 mg/kg/day (0.1X MTHD). Subcutaneous doses of 0.2 and 1 mg/kg/day hydrocortisone butyrate were administered to pregnant female mice during gestation days 7 to 13. In the absence of maternal toxicity, an increased number of cervical ribs and one fetus with clubbed legs were noted at a dose of 1 mg/kg/day (0.2X MTHD). No treatment-related effects on embryofetal toxicity or teratogenicity were noted at doses of 1 and 0.2 mg/kg/day, respectively (0.2X MTHD and 0.1X MTHD, respectively).

No topical embryofetal development studies were conducted with hydrocortisone butyrate cream. However, topical embryofetal development studies were conducted in rats and rabbits with a hydrocortisone butyrate ointment formulation. Topical doses of 1% and 10% hydrocortisone butyrate ointment were administered to pregnant female rats during gestation days 6 to 15 or pregnant female rabbits during gestation days 6 to 18. A dose-dependent increase in fetal resorptions was noted in rabbits (0.2 to 2X MTHD) and fetal resorptions were noted in rats at the 10% hydrocortisone butyrate ointment dose (80X MTHD). No treatment-related effects on embryofetal toxicity were noted at the 1% hydrocortisone butyrate ointment dose in rats (8X MTHD). A dose at which no treatment-related effects on embryofetal toxicity were observed in rabbits after topical administration of hydrocortisone butyrate ointment was not established in this study. No treatment-related effects on teratogenicity were noted at a dose of 10% hydrocortisone butyrate ointment in rats or rabbits (80X MTHD and 2X MTHD, respectively).

A peri- and post-natal development study was conducted in rats. Subcutaneous doses of 0.6, 1.8 and 5.4 mg/kg/day hydrocortisone butyrate were administered to pregnant female rats from gestation day 6 to lactation day 20. In the presence of maternal toxicity, a dose-dependent decrease in fetal weight was noted at doses  $\geq$ 1.8 mg/kg/day (0.7X MTHD). No treatment-related effects on fetal toxicity were noted at 0.6 mg/kg/day (0.2X MTHD). A delay in sexual maturation was noted at 5.4 mg/kg/day (2X MTHD). No treatment-related effects on sexual maturation were noted at 1.8 mg/kg/day. No treatment-related effects on behavioral development or subsequent reproductive performance were noted at 5.4 mg/kg/day.

### 8.3 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 hydrocortisone butyrate cream is administered to a nursing woman.

### 8.4 Pediatric Use

Safety and efficacy in pediatric patients below 3 months of age have not been established.

Because of higher skin surface-to-body-mass ratios, pediatric patients are at a greater risk than adults of HPA axis suppression when they are treated with topical corticosteroids [see *Warnings and Precautions (5.1)*]. They are therefore also at a greater risk of glucocorticosteroid insufficiency after withdrawal of treatment and of Cushing's syndrome while on treatment.

Eighty-six (86) pediatric subjects (between 5 months and 18 years of age) with moderate to severe atopic dermatitis affecting at least 25% of body surface area (BSA) treated with hydrocortisone butyrate cream three times daily for up to 4 weeks were assessed for HPA axis suppression in two separate studies. The disease severity (moderate to severe atopic dermatitis) and the dosing regimen (three times daily) in these HPA axis studies were different from the subject population (mild to moderate atopic dermatitis) and the dosing regimen (two times daily) for which hydrocortisone butyrate cream is indicated in this population. Five of the 82 evaluable subjects (6.1%) demonstrated evidence of suppression, where the criterion for defining HPA axis suppression was a serum cortisol level of less than or equal to 18 micrograms per deciliter after cosyntropin stimulation. Suppressed subjects ranged in age from 5 months to 16 years and, at the time of enrollment, had 25% to 95% BSA involvement. These subjects did not demonstrate any clinical signs or symptoms despite evidence of HPA axis suppression. At the first follow up visit, approximately one month after the conclusion of treatment, cosyntropin stimulation results of all subjects had returned to normal, with the exception of one subject. This last subject recovered adrenal function by 65 days post-treatment.

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

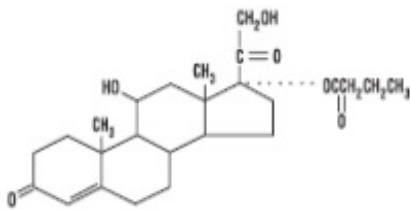
### 8.5 Geriatric Use

Clinical studies of hydrocortisone butyrate cream did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects.

## 11 DESCRIPTION

Hydrocortisone Butyrate Cream USP, 0.1% (Lipophilic) contains hydrocortisone butyrate, USP, a non-fluorinated hydrocortisone ester [Pregn-4-ene-3, 20-dione, 11, 21-dihydroxy-17- [(1-oxobutyl) oxy (11 $\beta$ )-] for topical dermatologic use.

Chemically, hydrocortisone butyrate, USP is C<sub>25</sub>H<sub>36</sub>O<sub>6</sub>. It has the following structural formula:



Hydrocortisone butyrate, USP is a white to practically white powder with a molecular weight of 432.56. It is practically insoluble in water, slightly soluble in ether, soluble in methanol, in alcohol, and in acetone, and freely soluble in chloroform.

Each gram of Hydrocortisone Butyrate Cream, 0.1% (lipophilic) contains 1 mg hydrocortisone butyrate, USP in a hydrophilic base consisting of anhydrous citric acid, arlacel 165 (glyceryl stearate and PEG 100 stearate), butylparaben, cetostearyl alcohol, mineral oil, propylparaben, purified water, sodium citrate anhydrous, sorbitan monostearate, and white petrolatum.

## 12 CLINICAL PHARMACOLOGY

### 12.1 Mechanism of Action

Topical corticosteroids share anti-inflammatory, antipruritic, and vasoconstrictive properties. The mechanism of the anti-inflammatory activity of the topical corticosteroids is unclear. However, corticosteroids are thought to act by the induction of phospholipase A<sub>2</sub> 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<sub>2</sub>.

### 12.3 Pharmacokinetics

The extent of percutaneous absorption of topical corticosteroids is determined by many factors, including the vehicle, the integrity of the epidermal barrier, and the use of occlusive dressings.

Topical corticosteroids can be absorbed through normal intact skin. Inflammation and/or other disease processes in the skin, occlusive dressings, or widespread application may increase percutaneous absorption and increase the risk of HPA axis suppression.

The vasoconstrictor assay showed that hydrocortisone butyrate cream, 0.1% (lipophilic) had a more pronounced skin blanching effect than hydrocortisone butyrate cream, 0.1%, suggesting greater percutaneous absorption from the former.

Once absorbed through the skin, topical corticosteroids are handled through pharmacokinetic pathways similar to systemically administered corticosteroids.

## 13 NONCLINICAL TOXICOLOGY

### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

In a 2-year dermal rat carcinogenicity study with hydrocortisone butyrate lotion, hydrocortisone butyrate was administered to Sprague-Dawley rats at topical doses of 0.05, 0.15, and 0.3 mg/kg/day in males and 0.1, 0.25, and 0.5 mg/kg/day in females (0.1% lotion). No drug-related tumors were noted in this study up to the highest doses evaluated in this study of 0.3 mg/kg/day in males (0.1X MTHD) and 0.5 mg/kg/day in females (0.2X MTHD).

Hydrocortisone butyrate revealed no evidence of mutagenic or clastogenic potential based on the results of two in vitro genotoxicity tests (Ames test and L5178Y/TK<sup>+</sup> mouse lymphoma assay) and one

in vivo genotoxicity test (mouse micronucleus assay).

No evidence of impairment of fertility or effect on mating performance was observed in a fertility and general reproductive performance study conducted in male and female rats at subcutaneous doses up to and including 1.8 mg/kg/day (0.7X MTHD). Mild effects on maternal animals, such as reduced food consumption and a subsequent reduction in body weight gain, were seen at doses  $\geq 0.6$  mg/kg/day (0.2X MTHD).

## 14 CLINICAL STUDIES

### Pediatric Atopic Dermatitis

In a multicenter, randomized, vehicle-controlled trial of 264 pediatric subjects 3 months to 18 years of age with mild to moderate atopic dermatitis, hydrocortisone butyrate cream or vehicle was applied twice daily for up to four weeks. Treatment success was assessed at day 29 (after 28 days of treatment) and was defined as the proportion of patients who achieved both “clear” or “almost clear” and at least a two grade improvement from baseline on a 5-point Physician’s Global Assessment (PGA) scale. Study results are shown in Table 2.

**TABLE 2. Efficacy Results at Day 29 in Pediatric Subjects**

	<b>Hydrocortisone butyrate cream (n=131)</b>	<b>Vehicle (n=133)</b>
Number (%) successes	82 (63%)	37 (28%)

## 16 HOW SUPPLIED/STORAGE AND HANDLING

Hydrocortisone Butyrate Cream USP, 0.1% (Lipophilic) is white to off white in color, and supplied in tubes containing:

15 g NDC 68462-464-17

45 g NDC 68462-464-47

60 g NDC 68462-464-65

Store at 25°C (77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature]. Protect from freezing. Keep out of the reach of children.

## 17 PATIENT COUNSELING INFORMATION

Advise patients of the following:

- Apply a thin film to the affected skin areas two or three times daily for corticosteroid-responsive dermatoses in adults, and rub in gently. Consult with physician to determine if treatment is needed beyond 2 weeks.
- Apply a thin film to the affected skin areas two times daily for atopic dermatitis in patients 3 months of age or older, and rub in gently. Safety of hydrocortisone butyrate cream in pediatric patients has not been established beyond 4 weeks of use.
- Discontinue hydrocortisone butyrate cream when control is achieved.
- Do not use for longer than 4 weeks.
- Avoid contact with the eyes.
- Do not bandage, otherwise cover, or wrap the affected skin area so as to be occlusive unless directed by physician.
- Do not use hydrocortisone butyrate cream in the diaper area, as diapers or plastic pants may



constitute occlusive dressings.

- Do not use hydrocortisone butyrate cream on the face, underarms, or groin areas unless directed by physician.
- If no improvement is seen within 2 weeks, contact physician.
- Do not use other corticosteroid-containing products while using hydrocortisone butyrate cream without first consulting physician.

**Rx only**

Manufactured by:

**Glenmark Pharmaceuticals Ltd.**

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](http://www.glenmarkpharma.com/usa)

June 2018

**Package/Label Display Panel**

Manufactured by:  
**Glenmark Pharmaceuticals Ltd.**  
Village: Kishanpura, Baddi Nalagarh Road,  
District: Solan, Himachal Pradesh-173205, India  
Mfg. Lic. No. : MNB/05/182

Manufactured for:  
**Glenmark Pharmaceuticals Inc., USA**  
Mahwah, NJ 07430  
03/17



Questions? 1 (888)721-7115  
[www.glenmarkpharma.com/usa](http://www.glenmarkpharma.com/usa)



**glenmark**

NDC 68462-464-47

# Hydrocortisone Butyrate **Cream**, 0.1% (Lipophilic)

For dermatological use only.

**Rx only**

**45 g**

**Each gram contains:** 1 mg of hydrocortisone butyrate USP in a hydrophilic base consisting of cetostearyl alcohol, arlacel 165 (glyceryl stearate and PEG 100 stearate), mineral oil, white petrolatum, sorbitan monostearate, anhydrous citric acid, sodium citrate anhydrous, propylparaben, butylparaben and purified water.

**DIRECTIONS:** Apply a thin layer to the affected areas 2 to 3 times daily, for no longer than 2 weeks, or as directed by your physician. See package insert for complete prescribing information.

**WARNING:** For external use only. Avoid contact with eyes. If irritation develops, topical corticosteroids should be discontinued and appropriate therapy instituted. Keep out of reach of children. In case of accidental ingestion, seek professional assistance or contact a poison control center immediately.

Store at 25°C (77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature].



**glenmark**

NDC 68462-464-47

# Hydrocortisone Butyrate **Cream**, 0.1% (Lipophilic)

For dermatological use only.

**Rx only**

**45 g**

Package/Label Display Panel



**glenmark**  
NDC 68462-464-47

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**WARNING:** For external use only. Avoid contact with eyes. If irritation develops, topical corticosteroids should be discontinued and appropriate therapy instituted. Keep out of reach of children. In case of accidental ingestion, seek professional assistance or contact a poison control center immediately.

Store at 25°C (77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature].

LOT & EXP.- See Crimp.

Manufactured by:  
**Glenmark Pharmaceuticals Ltd**  
Village: Kishanpura, Baddi Nalagarh Road  
District: Solan, Himachal Pradesh - 173205, India  
Mfg. Lic. No.: MNB/05/182

Manufactured for:  
**Glenmark Pharmaceuticals Inc., USA**  
Mahwah, NJ 07430  
06/14  
PE355060316-1



## HYDROCORTISONE BUTYRATE

hydrocortisone butyrate cream

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:68462-464
<b>Route of Administration</b>	TOPICAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
HYDROCORTISONE (UNII: W14X0 X7BPJ) (HYDROCORTISONE - UNII:W14X0 X7BPJ)	HYDROCORTISONE	1 mg in 1 g

### Inactive Ingredients

Ingredient Name	Strength
CETOSTEARYL ALCOHOL (UNII: 2DMT128 MIS)	
GLYCERYL MONOSTEARATE (UNII: 230OU9XXE4)	
MINERAL OIL (UNII: T5L8T28 FGP)	
PETROLATUM (UNII: 4T6H12BN9 U)	
SORBITAN MONOSTEARATE (UNII: NVZ4I0H58 X)	
ANHYDROUS CITRIC ACID (UNII: XF417D3PSL)	
ANHYDROUS TRISODIUM CITRATE (UNII: RS7A450 LGA)	
PROPYLPARABEN (UNII: Z8IX2SC1OH)	
BUTYLPARABEN (UNII: 3QPII03FV8)	

WATER (UNII: 059QF0KO0R)

POLYETHYLENE GLYCOL, UNSPECIFIED (UNII: 3WJQ0SDW1A)

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:68462-464-17	15 g in 1 CARTON; Type 0: Not a Combination Product	12/05/2013	
2	NDC:68462-464-47	45 g in 1 CARTON; Type 0: Not a Combination Product	12/05/2013	
3	NDC:68462-464-65	60 g in 1 CARTON; Type 0: Not a Combination Product	12/05/2013	

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA202145	12/05/2013	

**Labeler** - Glenmark Pharmaceuticals Inc., USA (130597813)

### Establishment

Name	Address	ID/FEI	Business Operations
Glenmark Pharmaceuticals Limited		676115028	ANALYSIS(68462-464) , MANUFACTURE(68462-464)

Revised: 6/2018

Glenmark Pharmaceuticals Inc., USA