

# FLUTICASONE PROPIONATE- fluticasone propionate lotion

## Glenmark Pharmaceuticals Inc., USA

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### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use FLUTICASONE PROPIONATE LOTION safely and effectively. See full prescribing information for FLUTICASONE PROPIONATE LOTION.

**FLUTICASONE PROPIONATE Lotion, for topical use**  
**Initial U.S. Approval: 1990**

### INDICATIONS AND USAGE

Fluticasone propionate lotion is a corticosteroid indicated for the relief of the inflammatory and pruritic manifestations of atopic dermatitis in patients 3 year of age and older. (1)

### DOSAGE AND ADMINISTRATION

- Apply a thin film to the affected skin areas once daily. Rub in gently. (**Error! Hyperlink reference not valid.**)
- Discontinue use when control is achieved. (**Error! Hyperlink reference not valid.**)
- Reassess diagnosis if no improvement in 2 weeks. (**Error! Hyperlink reference not valid.**)
- The safety and efficacy of fluticasone propionate lotion have not been established beyond four weeks of use. (**Error! Hyperlink reference not valid.**)
- Avoid use under occlusion or application to diaper area. (**Error! Hyperlink reference not valid.**)
- Not for ophthalmic, oral, or intravaginal use. (**Error! Hyperlink reference not valid.**)

### DOSAGE FORMS AND STRENGTHS

- Lotion, 0.05%, supplied in 60 mL bottles. (**Error! Hyperlink reference not valid.**)

### CONTRAINDICATIONS

- None (**Error! Hyperlink reference not valid.**)

### WARNINGS AND PRECAUTIONS

- Hypothalamic-Pituitary-Adrenal (HPA) Axis Suppression: Reversible HPA axis suppression and resulting glucocorticoid insufficiency can occur during or after withdrawal of treatment. Risk factors include the use of high-potency topical corticosteroids, use over large surface area, prolonged use, use under occlusion, concomitant use with other corticosteroid-containing products, altered skin barrier, liver failure, and use in pediatric patients. Minimize risk by mitigating the risk factors and use product as recommended. Modify use if HPA axis suppression is suspected. (**Error! Hyperlink reference not valid. , Error! Hyperlink reference not valid.**)
- Skin Irritation and Sensitization: fluticasone propionate lotion contains the excipient imidurea which releases formaldehyde as a breakdown product. Formaldehyde may cause allergic sensitization or irritation upon contact with the skin. Discontinue use if irritation or sensitization develops. (**Error! Hyperlink reference not valid.**)

### ADVERSE REACTIONS

The most common adverse reactions (2%) were burning/stinging at the application site. (6.1)

**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 and FDA-approved patient labeling.**

Revised: 2/2020

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**FULL PRESCRIBING INFORMATION****1 INDICATIONS AND USAGE**

Fluticasone propionate lotion is a corticosteroid indicated for the relief of the inflammatory and pruritic manifestations of atopic dermatitis in patients 3 months of age or older.

**2 DOSAGE AND ADMINISTRATION**

Apply a thin film of fluticasone propionate lotion to the affected skin areas once daily. Rub in gently.

Discontinue use when control is achieved. If no improvement is seen within 2 weeks, reassessment of the diagnosis may be necessary.

The safety and efficacy of fluticasone propionate lotion have not been established

beyond 4 weeks of use.

Avoid use with occlusive dressings or application to the diaper area [*see Warnings and Precautions (Error! Hyperlink reference not valid.) and (Error! Hyperlink reference not valid.)*].

Fluticasone propionate lotion is for topical use only, and not for ophthalmic, oral, or intravaginal use.

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

Lotion, 0.05%. Each gram of fluticasone propionate lotion USP contains 0.5 mg fluticasone propionate USP in a white translucent smooth homogeneous lotion. Fluticasone propionate lotion USP is supplied in 60 mL bottles.

### **4 CONTRAINDICATIONS**

None.

### **5 WARNINGS AND PRECAUTIONS**

#### **5.1 Hypothalamic-Pituitary-Adrenal (HPA) Axis Suppression and Other Adverse Endocrine Effects**

Topical corticosteroids, including fluticasone propionate lotion, can produce reversible HPA axis suppression with the potential for glucocorticoid insufficiency. Risk factors that predispose to HPA axis suppression include the use of high-potency topical corticosteroids, large treatment surface areas, prolonged use, use under occlusion, concomitant use of more than one corticosteroid-containing product, altered skin barrier, and liver failure. Pediatric patients may be at greater risk of HPA axis suppression due to their higher skin surface area to body mass ratios [*see Use in Specific Populations (Error! Hyperlink reference not valid.)*].

HPA axis suppression may occur during or after withdrawal of treatment. If HPA axis suppression is suspected, gradually withdraw the drug, reduce the frequency of application, or substitute a less potent topical corticosteroid. Evaluation of HPA axis suppression may be done by using the cosyntropin stimulation test.

The effects of fluticasone propionate lotion on HPA axis function in pediatric patients were investigated in two trials. Among a total of 89 evaluable subjects from the two trials who were treated with fluticasone propionate lotion twice daily for 3 to 4 weeks, a single subject with >90% body surface area treated showed laboratory evidence of transient suppression immediately post-treatment. The post cosyntropin stimulation test serum cortisol returned to a normal level (22.1 mcg/dL) within one week of the final treatment visit [*see Use In Specific Populations (Error! Hyperlink reference not valid.) and Clinical Pharmacology (Error! Hyperlink reference not valid.)*].

Cushing's syndrome, hyperglycemia, and unmasking of latent diabetes mellitus can also result from systemic absorption of topical corticosteroids.

Use of more than one corticosteroid-containing product at the same time may increase the total systemic absorption of topical corticosteroids.

## 5.2 Local Adverse Reactions

Fluticasone propionate lotion may cause local adverse reactions, including skin atrophy [see *Adverse Reactions* (**Error! Hyperlink reference not valid.**, **Error! Hyperlink reference not valid.**)]. The risk is greater with use under occlusion and with higher potency products.

Fluticasone propionate lotion contains the excipient imidurea which releases formaldehyde as a breakdown product. Formaldehyde may cause allergic sensitization or irritation upon contact with the skin. Avoid using fluticasone propionate lotion in individuals with hypersensitivity to formaldehyde as it may prevent healing or worsen dermatitis.

If irritation develops, discontinue fluticasone propionate lotion and institute appropriate therapy.

### 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 can be corroborated with appropriate diagnostic patch testing. Discontinue fluticasone propionate lotion if appropriate.

## 5.3 Concomitant Skin Infections

If skin infections are present or develop at the treatment site, an appropriate antimicrobial agent should be used. If a favorable response does not occur promptly, discontinue use of fluticasone propionate lotion until the infection has been adequately controlled.

## 6 ADVERSE REACTIONS

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

- HPA Axis Suppression and Other Adverse Endocrine Effects [see *Warnings and Precautions* (**Error! Hyperlink reference not valid.**)].
- Local Adverse Reactions [see *Warnings and Precautions* (**Error! Hyperlink reference not valid.**)].
- Concomitant Skin Infections [see *Warnings and Precautions* (**Error! Hyperlink reference not valid.**)].

### 6.1 Clinical Trials Experience: Controlled Clinical Trials

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 practice.

In 2 multicenter vehicle-controlled clinical trials of once-daily application of fluticasone propionate lotion by 196 adult and 242 pediatric patients, the total incidence of adverse reactions considered drug related by investigators was approximately 4%. These were local cutaneous reactions, usually mild and self-limiting, and consisted primarily of burning/stinging (2%). All other drug-related events occurred with an incidence of less

than 1%, and included were contact dermatitis, exacerbation of atopic dermatitis, folliculitis of legs, pruritus, pustules on arm, rash, and skin infection. See Table 1.

The incidence of adverse reactions between the 242 pediatric subjects (age 3 months to < 17 years) and 196 adult subjects (17 years or older) was similar (4% and 5%, respectively).

**Table 1: Adverse Reactions from Controlled Clinical Trials (n=438)**

ADVERSE REACTIONS	Fluticasone Propionate Lotion n=221	VEHICLE n=217
Burning/Stinging skin	4 (2%)	3 (1%)
Contact Dermatitis	0	1 (<1%)
Exacerbation of Atopic dermatitis	0	1 (<1%)
Folliculitis of legs	2 (<1%)	0
Irritant Contact Dermatitis	0	1 (<1%)
Pruritus	1 (<1%)	1 (<1%)
Pustules on Arms	1 (<1%)	0
Rash	1 (<1%)	2 (<1%)
Skin Infection	0	3 (1%)

During the clinical trials, eczema herpeticum occurred in a 33-year old male patient treated with fluticasone propionate lotion.

Table 2 summarizes all adverse events by body system that occurred in at least 1% of patients in either the drug or vehicle group in the phase 3 controlled clinical trials.

**Table 2: Adverse Events Occurring in  $\geq$  1% of Patients from Either Arm from Controlled Clinical Trials (n=438)**

Body System	Fluticasone propionate lotion N = 221	Vehicle Lotion N = 217
Any Adverse Event	77 (35%)	82 (38%)
<b>Skin</b>		
Burning and Stinging	4 (2%)	3 (1%)
Pruritus	3 (1%)	5 (2%)
Rash	2 (<1%)	3 (1%)
Skin Infection	0	3 (1%)
<b>Ear, Nose, Throat</b>		
Common Cold	9 (4%)	5 (2%)
Ear Infection	3 (1%)	3 (1%)
Nasal Sinus	2 (<1%)	4 (2%)

Infection		
Rhinitis	1 (<1%)	3 (1%)
Upper Respiratory Tract Infection	6 (3%)	7 (3%)
<b>Gastrointestinal</b>		
Normal Tooth Eruption	2 (< 1%)	3 (1%)
Diarrhea	3 (1%)	0
Vomiting	3 (1%)	2 (<1%)
<b>Lower Respiratory</b>		
Cough	7 (3%)	6 (3%)
Influenza	5 (2%)	0
Wheeze	0	3 (1%)
<b>Neurology</b>		
Headache	4 (2%)	5 (2%)
<b>Non-Site Specific</b>		
Fever	8 (4%)	8 (4%)
Seasonal Allergy	2 (<1%)	3 (1%)

## 6.2 Clinical Trials Experience: Pediatric Open Label Trials

In an open label HPA axis suppression trial of 44 pediatric subjects (ages  $\geq 3$  months to  $\leq 6$  years) fluticasone propionate lotion was applied twice daily (rather than the indicated dosing regimen of once daily) to at least 35% of body surface area for 3 or 4 weeks. Subjects whose lesions cleared after 2 or 3 weeks of treatment continued to apply fluticasone propionate lotion for an additional week. The overall incidence of adverse reactions was 14%. These were local, cutaneous reactions and included dry skin (7%), stinging at application site (5%), and excoriation (2%). Additionally, a 4-month-old patient treated with fluticasone propionate lotion had marked elevations of the hepatic enzymes AST and ALT. [see Use in Specific Populations (8.4)]

In another open label HPA axis suppression trial in which fluticasone propionate lotion was also applied twice daily (rather than the indicated dosing regimen of once daily), 56 pediatric subjects (ages  $\geq 3$  months to 12 months), were enrolled [see Use in Specific Populations (8.4)].

The adverse reactions included 2 cases of Herpes simplex at the application site (3.6%) and 3 cases of bacterial skin infections (5.4%).

## 6.3 Postmarketing Experience

The following local adverse reactions have been identified during post-approval use of fluticasone propionate lotion: erythema, edema/swelling, and bleeding.

The following systemic adverse reactions have been identified during post-approval use of fluticasone propionate cream and fluticasone propionate ointment: immunosuppression/*Pneumocystis jirovecii* pneumonia/leukopenia/ thrombocytopenia; hyperglycemia/glycosuria; Cushing syndrome; generalized body edema/blurred vision; and acute urticarial reaction (edema, urticaria, pruritus, and throat swelling).

The following local adverse reactions have also been reported with the use of topical

corticosteroids, and they may occur more frequently with the use of occlusive dressings or higher potency corticosteroids. These reactions include: acneiform eruptions, hypopigmentation, perioral dermatitis, skin atrophy, striae, hypertrichosis and miliaria.

Because these 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.

## **8 USE IN SPECIFIC POPULATIONS**

### **8.1 Pregnancy**

#### Pregnancy Category C

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

Systemic embryofetal development studies were conducted in mice, rats and rabbits.

Subcutaneous doses of 15, 45 and 150 mcg/kg/day of fluticasone propionate were administered to pregnant female mice from gestation days 6 to 15. A teratogenic effect characteristic of corticosteroids (cleft palate) was noted after administration of 45 and 150 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons) in this study. No treatment related effects on embryofetal toxicity or teratogenicity were noted at 15 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons).

Subcutaneous doses of 10, 30 and 100 mcg/kg/day of fluticasone propionate were administered to pregnant female rats in two embryofetal development studies (one study administered fluticasone propionate from gestation days 6 to 15 and the other study from gestation days 7 to 17). In the presence of maternal toxicity, fetal effects noted at 100 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons) included decreased fetal weights, omphalocele, cleft palate, and retarded skeletal ossification. No treatment related effects on embryofetal toxicity or teratogenicity were noted at 10 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons).

Subcutaneous doses of 0.08, 0.57 and 4 mcg/kg/day of fluticasone propionate were administered to pregnant female rabbits from gestation days 6 to 18. Fetal effects noted at 4 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons) included decreased fetal weights, cleft palate and retarded skeletal ossification. No treatment related effects on embryofetal toxicity or teratogenicity were noted at 0.57 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons).

Oral doses of 3, 30 and 300 mcg/kg/day fluticasone propionate were administered to pregnant female rabbits from gestation days 8 to 20. No fetal or teratogenic effects were noted at oral doses up to 300 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons) in this study. However, no fluticasone propionate was detected in the plasma in this study, consistent with the established low bioavailability following oral administration.

Fluticasone propionate crossed the placenta following administration of a subcutaneous or an oral dose of 100 µg/kg tritiated fluticasone propionate to pregnant rats.

### **8.3 Nursing Mothers**

Systemically administered corticosteroids appear in human milk and can 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 fluticasone propionate lotion is administered to a nursing woman.

### **8.4 Pediatric Use**

Fluticasone propionate lotion may be used in pediatric patients as young as 3 months of age. The safety and effectiveness of fluticasone propionate lotion in pediatric patients below 3 months of age have not been established.

Because of a higher ratio of skin surface area to body mass, pediatric patients are at a greater risk than adults of systemic effects when treated with topical drugs. They are, therefore, also at greater risk of HPA axis suppression and adrenal insufficiency upon the use of topical corticosteroids [see *Warnings and Precautions (5.1)*].

In an HPA axis suppression trial, none of the 40 evaluable pediatric subjects, 4 months old to < 6 years old, with moderate to severe atopic dermatitis covering  $\geq 35\%$  Body Surface Area (BSA) who were treated with an exaggerated dosing regimen (twice daily) of fluticasone propionate lotion experienced adrenal suppression (defined as a 30-minute post-stimulation cortisol level  $\leq 18$  micrograms/dL) [see *Warnings and Precautions (5.1)* and *Clinical Pharmacology (12.2)*].

In another HPA axis suppression trial, one of 49 (2%) evaluable pediatric subjects, 3 months to 11 months old, with moderate to severe atopic dermatitis covering  $\geq 35\%$  Body Surface Area (BSA) who applied an exaggerated dosing regimen (twice daily) of fluticasone propionate lotion experienced reversible adrenal suppression (defined as a 30-minute post-stimulation cortisol level  $\leq 18$  micrograms/dL) following 4 weeks of therapy [see *Warnings and Precautions (5.1)* and *Clinical Pharmacology (12.2)*].

Systemic effects such as Cushing's syndrome, linear growth retardation, delayed weight gain, and intracranial hypertension have been reported in pediatric patients, especially those with prolonged exposure to large doses of high-potency topical corticosteroids, or concomitant use of more than one corticosteroid product.

Local adverse reactions including skin atrophy have also been reported with use of topical corticosteroids in pediatric patients.

Parents of pediatric patients should be advised not to use this medication in the treatment of diaper dermatitis unless directed by a physician. Fluticasone propionate lotion should not be applied in the diaper areas as diapers or plastic pants may constitute occlusive dressing.

### **8.5 Geriatric Use**

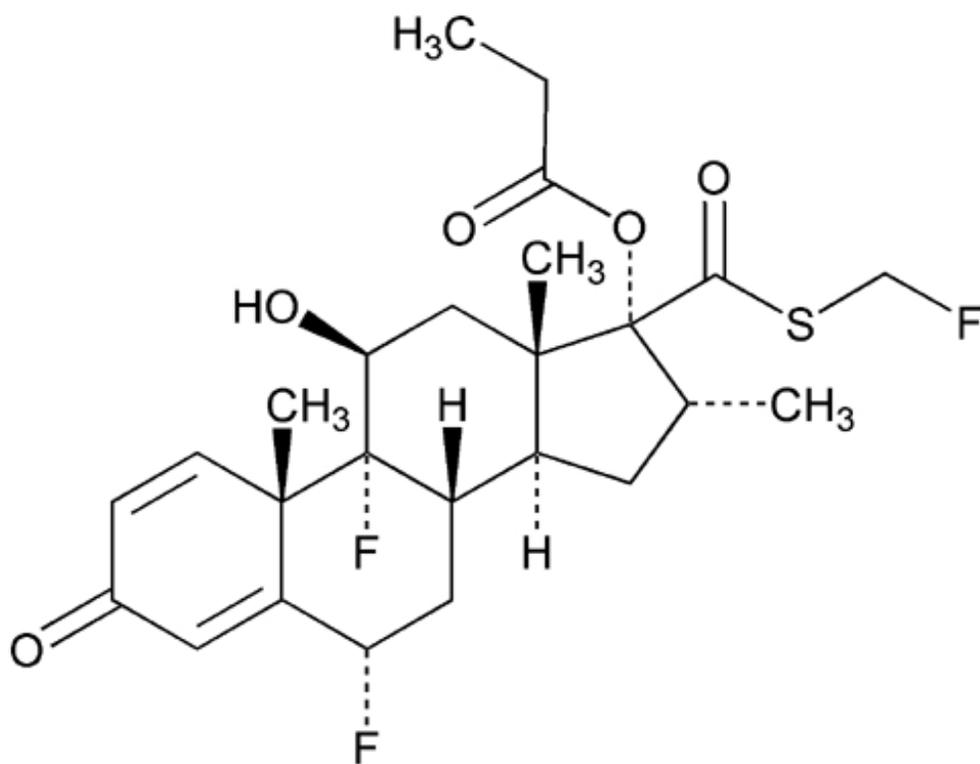
A limited number of patients above 65 years of age have been treated with fluticasone propionate lotion in US and non-US clinical trials. Specifically only 8 patients above 65

years of age were treated with fluticasone propionate lotion in controlled clinical trials. The number of patients is too small to permit separate analyses of efficacy and safety.

## 11 DESCRIPTION

Fluticasone propionate lotion USP, 0.05% contains fluticasone propionate USP *S*-Fluoromethyl 6 $\alpha$ ,9 $\alpha$ -difluoro-11 $\beta$ -hydroxy-16 $\alpha$ -methyl-3-oxo-17 $\alpha$ -propionyloxyandrosta-1,4-diene-17 $\beta$ -carbothioate, a synthetic fluorinated corticosteroid, for topical use. The topical corticosteroids constitute a class of primarily synthetic steroids used as anti-inflammatory and antipruritic agents.

Chemically, fluticasone propionate USP is C<sub>25</sub>H<sub>31</sub>F<sub>3</sub>O<sub>5</sub>S. It has the following structural formula:



Fluticasone propionate USP is a white or almost white powder with a molecular weight of 500.6 g/mol. It is freely soluble in dimethylformamide; slightly soluble in alcohol; sparingly soluble in acetone and in dichloromethane; insoluble in water.

Each gram of fluticasone propionate lotion USP contains 0.5 mg fluticasone propionate USP in a base of cetostearyl alcohol, polyoxyl 20 cetostearyl ether, citric acid anhydrous, dimethicone 360, isopropyl myristate, light mineral oil, propylene glycol, sodium citrate anhydrous, sorbitan monostearate, and purified water, with imidurea, methylparaben, and propylparaben as preservatives.

## 12 CLINICAL PHARMACOLOGY

## 12.1 Mechanism of Action

Corticosteroids play a role in cellular signaling, immune function, inflammation, and protein regulation; however, the precise mechanism of action of fluticasone propionate lotion in atopic dermatitis is unknown.

## 12.2 Pharmacodynamics

### Vasoconstrictor Assay

Trials performed with fluticasone propionate lotion indicate that it is in the medium range of potency as demonstrated in vasoconstrictor trials in healthy subjects when compared with other topical corticosteroids. However, similar blanching scores do not necessarily imply therapeutic equivalence.

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

In an open label HPA axis suppression trial (Trial A), 42 pediatric subjects (ages 4 months to <6 years) with moderate to severe atopic dermatitis covering  $\geq 35\%$  Body Surface Area (BSA) who were treated with an exaggerated dosing regimen of fluticasone propionate lotion twice daily (rather than the indicated dosing regimen of once daily) for at least 3 to 4 weeks were assessed for HPA axis suppression. The mean BSA treated was 65%. None of the 40 evaluable subjects were suppressed. The criterion for HPA axis suppression was a serum cortisol level of less than or equal to 18 micrograms per deciliter at 30-minutes after cosyntropin stimulation.

Another open label HPA axis suppression trial (Trial B) enrolled 56 pediatric subjects (ages 3 months to 11 months) with moderate to severe atopic dermatitis covering  $\geq 35\%$  BSA. Subjects were treated with an exaggerated dosing regimen for of fluticasone propionate lotion twice daily over a period of 3 or 4 weeks. The mean BSA treated was 54%. Out of 56 subjects, 49 were considered evaluable with respect to their adrenal axis function post-treatment. One of 49 subjects showed laboratory evidence of suppression immediately post treatment. The criterion for HPA axis suppression was a serum cortisol level of less than or equal to 18 micrograms per deciliter at 30-minutes after cosyntropin stimulation. Repeated test one week later showed the post cosyntropin stimulation testing serum cortisol returned to normal level (22.1 mcg/dL). This 4-month old subject had a baseline treatment BSA of 94% and was reported to have received 100% of the twice-daily applications of fluticasone propionate lotion over the 27 day treatment period.

## 12.3 Pharmacokinetics

### Absorption

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 enhances penetration. Topical corticosteroids can be absorbed from normal intact skin. Inflammation and/or other disease processes in the skin increase percutaneous absorption.

Plasma fluticasone levels were measured in a subset of subjects 2 to 5 years and 11 months of age in HPA axis suppression trial (Trial A) described above. A total of 13 (62%) of 21 subjects tested had measurable fluticasone at the end of 3 to 4 weeks of treatment. The mean  $\pm$  SD fluticasone plasma concentration was  $0.16 \pm 0.23$  ng/mL. Three subjects aged 3, 4, and 4 years had fluticasone concentrations over 0.30 ng/mL, with one of them having a concentration of 0.82 ng/mL. No data were obtained for

subjects < 2 years of age.

### Distribution

The percentage of fluticasone propionate bound to human plasma proteins averaged 91%. Fluticasone propionate is weakly and reversibly bound to erythrocytes. Fluticasone propionate is not significantly bound to human transcortin.

### Metabolism

No metabolites of fluticasone propionate were detected in an in vitro study of radiolabeled fluticasone propionate incubated in a human skin homogenate.

Fluticasone propionate is metabolized in the liver by cytochrome P450 3A4-mediated hydrolysis of the 5-fluoromethyl carbothiolate grouping. This transformation occurs in 1 metabolic step to produce the inactive 17 $\beta$ -carboxylic acid metabolite, the only known metabolite detected in man. This metabolite has approximately 2000 times less affinity than the parent drug for the glucocorticoid receptor of human lung cytosol in vitro and negligible pharmacological activity in animal studies. Other metabolites detected in vitro using cultured human hepatoma cells have not been detected in man.

## **13 NONCLINICAL TOXICOLOGY**

### **13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility**

In an oral (gavage) mouse carcinogenicity study, doses of 0.1, 0.3 and 1 mg/kg/day fluticasone propionate were administered to mice for 18 months. Fluticasone propionate demonstrated no tumorigenic potential at oral doses up to 1 mg/kg/day (less than the MRHD in adults based on body surface area comparisons) in this study.

In a dermal mouse carcinogenicity study, 0.05% fluticasone propionate ointment (40  $\mu$ l) was topically administered for 1, 3 or 7 days/week for 80 weeks. Fluticasone propionate demonstrated no tumorigenic potential at dermal doses up to 6.7 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons) in this study.

Fluticasone propionate revealed no evidence of mutagenic or clastogenic potential based on the results of five in vitro genotoxicity tests (Ames assay, E. coli fluctuation test, S. cerevisiae gene conversion test, Chinese hamster ovary cell chromosome aberration assay and human lymphocyte chromosome aberration 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 50 mcg/kg/day (less than the MRHD in adults based on body surface area comparisons).

## **14 CLINICAL STUDIES**

Fluticasone propionate lotion applied once daily was superior to vehicle in the treatment of atopic dermatitis in two clinical trials. The two trials enrolled 438 subjects with atopic dermatitis aged 3 months and older, of which 169 subjects were selected as having clinically significant signs of erythema, infiltration/papulation, and erosion/oozing/crusting at baseline. Clinically significant was defined as having moderate or severe involvement for at least two of the three signs (erythema, infiltrations/papulation, or

erosion/oozing/crusting), in at least 2 body regions. Subjects who had moderate to severe disease in a single body region were excluded from the analysis.

Table 3 presents the percentage of subjects who completely cleared of erythema, infiltration/papulation and erosion/oozing/crusting at Week 4 out of those subjects with clinically significant baseline signs.

Table 3: Complete Clearance Rate

### For Patients with Clinically Significant Signs at Baseline

	Fluticasone propionate lotion	Vehicle
Study 1	9/45 (20%)	0/37 (0%)
Study 2	7/44 (16%)	1/43 (2%)

## 16 HOW SUPPLIED/STORAGE AND HANDLING

Fluticasone propionate lotion USP, 0.05% is a white translucent smooth homogeneous lotion supplied in HDPE and PP bottles as follows:

60 mL bottles: (NDC 68462-427-02)

Store at 20°C to 25°C (68°F to 77°F) [see USP Controlled Room Temperature].

Do not refrigerate. Keep container tightly sealed.

## 17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information).

### Administration Instructions

Advise the patient of appropriate fluticasone propionate lotion administration instructions, including those that will mitigate HPA-Axis suppression [see *Warnings and Precautions* (**Error! Hyperlink reference not valid.**)] and local adverse reactions [see *Warnings and Precautions* (**Error! Hyperlink reference not valid.**)]:

- Discontinue therapy when control is achieved in less than 4 weeks; if no improvement is seen within 2 weeks, contact the healthcare provider.
- Avoid contact with the eyes.
- Do not bandage the treated skin area, or cover or wrap it to cause occlusion unless directed by the healthcare provider.
- Do not use fluticasone propionate lotion in the treatment of diaper dermatitis unless directed by the healthcare provider, as diapers or plastic pants may constitute occlusive dressing and enhance absorption.
- Do not use on the face, underarms, or groin areas unless directed by the healthcare provider.

### Local Adverse Reactions

Advise the patient to report any signs of local adverse reactions to their healthcare provider [see *Warnings and Precautions* (**Error! Hyperlink reference not valid.**)].

- Advise patients to report to their healthcare provider if they are allergic to formaldehyde.

Manufactured by:

**Glenmark Pharmaceuticals Limited**

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Manufactured for:

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## **PATIENT INFORMATION**

### **Fluticasone Propionate (floo tik' a sone proe' pee oh nate) Lotion, 0.05%**

**Important: fluticasone propionate lotion is for use on skin only (topical).** Do not get fluticasone propionate lotion near or in your eyes, mouth, or vagina.

Read this Patient Information before you start using fluticasone propionate lotion and each time you get a refill. There may be new information. This information does not take the place of talking to your healthcare provider about your medical condition or treatment.

#### **What is fluticasone propionate lotion?**

Fluticasone propionate lotion is a prescription corticosteroid medicine used on the skin (topical) for the relief of inflammation and itching caused by certain skin conditions, including atopic dermatitis and eczema in people 3 months of age and older. It is not known if fluticasone propionate lotion is safe and effective in children under 3 months of age.

#### **Before using fluticasone propionate lotion, tell your healthcare provider about all of your medical conditions, including if you:**

- have a skin infection at the site to be treated. You may also need medicine to treat the skin infection.
- have adrenal gland problems
- have liver problems
- have diabetes
- have thinning skin (atrophy) at the site to be treated
- are allergic to formaldehyde. If you are allergic to formaldehyde, fluticasone propionate lotion may cause skin irritation, prevent your skin from healing or worsen your skin condition.
- are pregnant or plan to become pregnant. It is not known if fluticasone propionate lotion will harm your unborn baby.
- are breastfeeding or plan to breastfeed. It is not known if fluticasone propionate lotion can pass into your breast milk and harm your baby.

**Tell your healthcare provider about all the medicines you take**, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Especially tell your healthcare provider if you take other corticosteroid medicines by mouth or use other products on your skin that contain corticosteroids.

### **How should I use fluticasone propionate lotion?**

- Use fluticasone propionate lotion exactly as your healthcare provider tells you to use it.
- Apply a thin film of fluticasone propionate lotion to the affected area 1 time each day. Gently rub into your skin.
- Do not bandage, cover, or wrap the treated area unless your healthcare provider tells you to. Do not apply fluticasone propionate lotion to dermatitis in the diaper area unless your healthcare provider tells you to.
- Wash your hands after applying fluticasone propionate lotion, unless your hands are being treated.
- Tell your healthcare provider if your symptoms get worse with fluticasone propionate lotion or if your symptoms do not improve after 2 weeks of treatment. It is not known if fluticasone propionate lotion is safe or effective when used more than 4 weeks.

### **What are possible side effects with fluticasone propionate lotion?**

**Fluticasone propionate lotion may cause serious side effects, including:**

- **Fluticasone propionate lotion can pass through your skin and may** cause adrenal gland problems. This is more likely to happen if you use fluticasone propionate lotion for too long, use it over a large treatment area, use it with other topical medicines that contain corticosteroids, cover the treated area, or have liver failure. Your healthcare provider may do blood tests to check your adrenal gland function during and after treatment with fluticasone propionate lotion.
- **Skin problems, including skin reactions or thinning of your skin (atrophy), skin infections, and allergic reactions** (allergic contact dermatitis) at the treatment site. Tell your healthcare provider if you get any skin reactions such as pain, tenderness, swelling, or healing problems.

**The most common side effects of fluticasone propionate lotion** include burning and stinging at the treatment site. These are not all the possible side effects with fluticasone propionate lotion. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

### **How should I store fluticasone propionate lotion?**

- Store fluticasone propionate lotion at 20°C to 25°C (68°F to 77°F) [see USP Controlled Room Temperature].
- Do not refrigerate.
- Keep container tightly sealed.

**Keep fluticasone propionate lotion and all medicines out of the reach of children.**

**General information about the safe and effective use of fluticasone propionate lotion.**

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. Do not use fluticasone propionate lotion for a condition for which it was not prescribed. Do not give fluticasone propionate lotion to other people, even if they have the same symptoms you have. It may harm them. You can ask your pharmacist or healthcare provider for information about fluticasone propionate lotion that is written for health professionals.

**What are the ingredients in fluticasone propionate lotion?**

**Active ingredient:** fluticasone propionate

**Inactive ingredients:** cetostearyl alcohol, polyoxyl 20 cetostearyl ether, citric acid anhydrous, dimethicone 360, isopropyl myristate, light mineral oil, propylene glycol, sodium citrate anhydrous, sorbitan monostearate, and purified water, with imidurea, methylparaben, and propylparaben.

This Patient Information has been approved by the U.S. Food and Drug Administration

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-us.com](http://www.glenmarkpharma-us.com)

February 2020

**PACKAGE LABEL - PRINCIPAL DISPLAY PANEL**

NDC 68462-427-02

FLUTICASONE PROPIONATE LOTION USP 0.05%

PHARMACIST: Dispense with the enclosed Patient Information leaflet

For topical use only. Not for ophthalmic, oral or intravaginal use.

NDC 68462-427-02

# Fluticasone Propionate Lotion USP

**0.05%**

For topical use only.  
Not for ophthalmic, oral  
or intravaginal use.



Rx only

60 mL

**Contains:** Fluticasone propionate USP, 0.05% in a lotion base of cetostearyl alcohol, polyoxyl 20 cetostearyl ether, citric acid anhydrous, dimethicone 360, isopropyl myristate, light mineral oil, propylene glycol, sodium citrate anhydrous, sorbitan monostearate, and purified water, with imidurea, methylparaben, and propylparaben as preservatives.

**Usual Dosage:** Apply a thin film of lotion to the affected skin areas once daily.

**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) [see USP

Controlled Room Temperature]. Do not refrigerate.

Keep container tightly closed.

This product is sealed for your protection. If the seal is broken or missing return to place of purchase.

Manufactured by:

**Glenmark Pharmaceuticals Limited**

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

12/19

PE542221219-1



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

## FLUTICASONE PROPIONATE

fluticasone propionate lotion

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:68462-427
<b>Route of Administration</b>	TOPICAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>FLUTICASONE PROPIONATE</b> (UNII: O2GMZ0LF5W) (FLUTICASONE - UNII:CUT2W21N7U)	FLUTICASONE PROPIONATE	0.5 mg in 1 mL

### Inactive Ingredients

Ingredient Name	Strength
<b>CETOSTEARYL ALCOHOL</b> (UNII: 2DMT128M1S)	
<b>POLYOXYL 20 CETOSTEARYL ETHER</b> (UNII: YRC528SWUY)	
<b>ANHYDROUS CITRIC ACID</b> (UNII: XF417D3PSL)	
<b>DIMETHICONE 350</b> (UNII: 2Y53S6ATLU)	
<b>ISOPROPYL MYRISTATE</b> (UNII: 0RE8K4LNJS)	
<b>LIGHT MINERAL OIL</b> (UNII: N6K5787QVP)	
<b>PROPYLENE GLYCOL</b> (UNII: 6DC9Q167V3)	
<b>ANHYDROUS TRISODIUM CITRATE</b> (UNII: RS7A450LGA)	
<b>SORBITAN MONOSTEARATE</b> (UNII: NVZ410H58X)	
<b>WATER</b> (UNII: 059QF0KO0R)	
<b>IMIDUREA</b> (UNII: M629807ATL)	
<b>METHYLPARABEN</b> (UNII: A2I8C7HI9T)	
<b>PROPYLPARABEN</b> (UNII: Z8IX2SC1OH)	

**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:68462-427-02	1 in 1 CARTON	10/13/2011	
1		60 mL in 1 BOTTLE; Type 0: Not a Combination Product		

**Marketing Information**

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA090759	10/13/2011	

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

Name	Address	ID/FEI	Business Operations
Glenmark Pharmaceuticals Limited		676115028	ANALYSIS(68462-427) , MANUFACTURE(68462-427)

Revised: 2/2020

Glenmark Pharmaceuticals Inc., USA