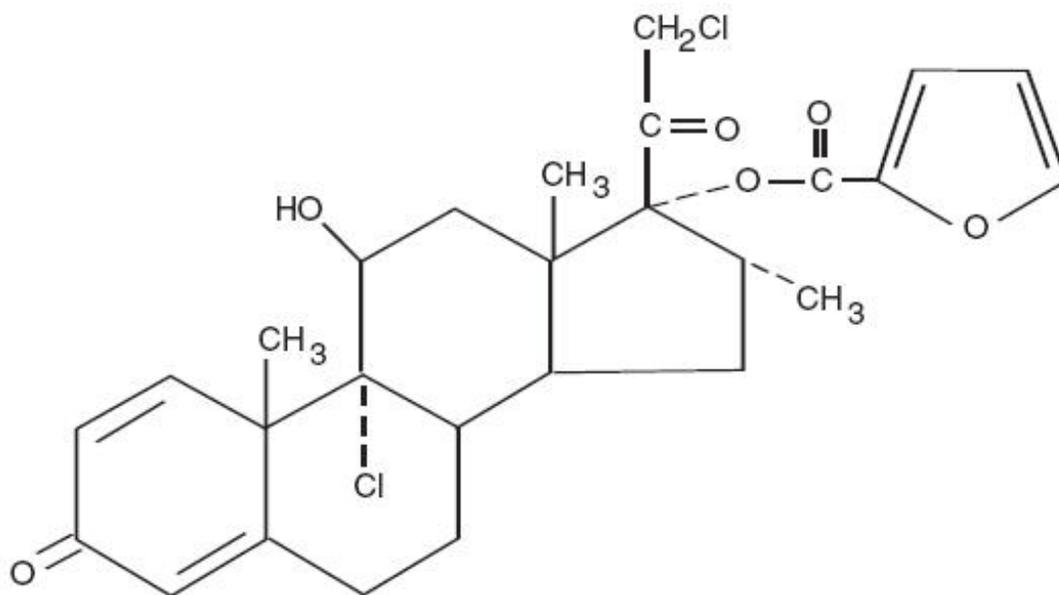


**MOMETASONE FUROATE - mometasone furoate ointment**  
**Dispensing Solutions, Inc.**

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**DESCRIPTION**

Mometasone Furoate, USP Ointment 0.1% contains mometasone furoate, USP for dermatologic use. Mometasone furoate is a synthetic corticosteroid with anti-inflammatory activity.

Chemically, mometasone furoate is 9 $\alpha$ ,21-Dichloro-11 $\beta$ ,17-dihydroxy-16 $\alpha$ -methylpregna-1,4-diene-3,20-dione 17-(2-furoate), with the empirical formula C<sub>27</sub>H<sub>30</sub>Cl<sub>2</sub>O<sub>6</sub>, a molecular weight of 521.4 and the following structural formula:



Mometasone furoate is a white to off-white powder practically insoluble in water, slightly soluble in octanol, and moderately soluble in ethyl alcohol.

Each gram contains: 1 mg mometasone furoate USP in an ointment base of hexylene glycol, phosphoric acid, propylene glycol stearate, white wax, white petrolatum, and purified water.

**CLINICAL PHARMACOLOGY**

Like other topical corticosteroids, mometasone furoate 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<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>.

**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 dressings with hydrocortisone for up to 24 hours have not been demonstrated to increase penetration; however,

occlusion of hydrocortisone for 96 hours markedly enhances penetration. Studies in humans indicate that approximately 0.7% of the applied dose of Mometasone Furoate, USP Ointment 0.1% enters the circulation after 8 hours of contact on normal skin without occlusion. Inflammation and/or other disease processes in the skin may increase percutaneous absorption.

Studies performed with Mometasone Furoate Ointment 0.1% indicate that it is in the medium range of potency as compared with other topical corticosteroids.

In a study evaluating the effects of mometasone furoate ointment on the hypothalamic-pituitary-adrenal (HPA) axis, 15 grams were applied twice daily for 7 days to six adult patients with psoriasis or atopic dermatitis. The ointment was applied without occlusion to at least 30% of the body surface. The results show that the drug caused a slight lowering of adrenal corticosteroid secretion.

In a pediatric trial, 24 atopic dermatitis patients, of which 19 patients were age 2 to 12 years, were treated with Mometasone Furoate Cream 0.1% once daily. The majority of patients cleared within 3 weeks.

Sixty-three pediatric patients ages 6 to 23 months, with atopic dermatitis, were enrolled in an open-label, hypothalamic-pituitary-adrenal (HPA) axis safety study. Mometasone Furoate, USP Ointment 0.1% was applied once daily for approximately 3 weeks over a mean body surface area of 39% (range 15% to 99%). In approximately 27% of patients who showed normal adrenal function by Cortrosyn test before starting treatment, adrenal suppression was observed at the end of treatment with Mometasone Furoate, USP Ointment 0.1%. The criteria for suppression were: basal cortisol level of  $\leq 5$  mcg/dL, 30-minute post-stimulation level of less than or equal to 18 mcg/dL, or an increase of less than 7 mcg/dL. Follow-up testing 2 to 4 weeks after stopping treatment, available for 8 of the patients, demonstrated suppressed HPA axis function in 3 patients, using these same criteria.

## **INDICATIONS AND USAGE**

Mometasone Furoate, USP Ointment 0.1% is a medium potency corticosteroid indicated for the relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses.

Mometasone Furoate, USP Ointment 0.1% may be used in pediatric patients 2 years of age or older, although the safety and efficacy of drug use for longer than 3 weeks have not been established (see **PRECAUTIONS – Pediatric Use** section). Since safety and efficacy of Mometasone Furoate Ointment 0.1% have not been established in pediatric patients below 2 years of age, its use in this age group is not recommended.

## **CONTRAINDICATIONS**

Mometasone Furoate, USP Ointment 0.1% is contraindicated in those patients with a history of hypersensitivity to any of the components in the preparation.

## **PRECAUTIONS**

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### **General:**

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

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.

In a study evaluating the effects of mometasone furoate ointment on the hypothalamic-pituitary-adrenal (HPA) axis, 15 grams were applied twice daily for 7 days to six adult patients with psoriasis or atopic dermatitis. The ointment was applied without occlusion to at least 30% of the body surface. The results show that the drug caused a slight lowering of adrenal corticosteroid secretion.

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 requiring 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, Mometasone Furoate, USP Ointment 0.1% 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 Mometasone Furoate, USP Ointment 0.1% 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 or otherwise covered or wrapped so as to be occlusive, unless directed by the physician.
4. Patients should report to their physician any signs of local adverse reactions.
5. Parents of pediatric patients should be advised not to use Mometasone Furoate, USP Ointment 0.1% in the treatment of diaper dermatitis. Mometasone Furoate, USP Ointment 0.1% should not be applied in the diaper area as diapers or plastic pants may constitute occlusive dressing (see **DOSAGE AND ADMINISTRATION**).
6. This medication should not be used on the face, underarms, or groin areas unless directed by the physician.
7. As with other corticosteroids, therapy should be discontinued when control is achieved. If no improvement is seen within 2 weeks, contact the physician.
8. Other corticosteroid-containing products should not be used with Mometasone Furoate, USP Ointment 0.1% without first consulting with 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 Mometasone Furoate, USP Ointment 0.1%. Long-term carcinogenicity studies of mometasone furoate were conducted by the inhalation route in rats and mice. In a 2-year carcinogenicity study in Sprague-Dawley rats, mometasone furoate demonstrated no statistically significant increase of tumors at

inhalation doses up to 67 mcg/kg (approximately 0.04 times the estimated maximum clinical topical dose from Mometasone Furoate Ointment 0.1% on a mcg/m<sup>2</sup> basis). In a 19-month carcinogenicity study in Swiss CD-1 mice, mometasone furoate demonstrated no statistically significant increase in the incidence of tumors at inhalation doses up to 160 mcg/kg (approximately 0.05 times the estimated maximum clinical topical dose from Mometasone Furoate, USP Ointment 0.1% on a mcg/m<sup>2</sup> basis).

Mometasone furoate increased chromosomal aberrations in an *in vitro* Chinese hamster ovary cell assay, but did not increase chromosomal aberrations in an *in vitro* Chinese hamster lung cell assay. Mometasone furoate was not mutagenic in the Ames test or mouse lymphoma assay, and was not clastogenic in an *in vivo* mouse micronucleus assay, a rat bone marrow chromosomal aberration assay, or a mouse male germ-cell chromosomal aberration assay. Mometasone furoate also did not induce unscheduled DNA synthesis *in vivo* in rat hepatocytes.

In reproductive studies in rats, impairment of fertility was not produced in male or female rats by subcutaneous doses up to 15 mcg/kg (approximately 0.01 times the estimated maximum clinical topical dose from Mometasone Furoate, USP Ointment 0.1% on a mcg/m<sup>2</sup> basis).

## **Pregnancy**

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## **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 Mometasone Furoate, USP Ointment 0.1% is administered to a nursing woman.

## **Pediatric Use**

Mometasone Furoate, USP Ointment 0.1% may be used with caution in pediatric patients 2 years of age or older, although the safety and efficacy of drug use for longer than 3 weeks have not been established. Use of Mometasone Furoate, USP Ointment 0.1% is supported by results from adequate and well controlled studies in pediatric patients with corticosteroid responsive dermatoses. Since safety and efficacy of Mometasone Furoate Ointment 0.1% have not been established in pediatric patients below 2 years of age, its use in this age group is not recommended.

Mometasone Furoate, USP Ointment 0.1% caused HPA axis suppression in approximately 27% of pediatric patients ages 6 to 23 months, who showed normal adrenal function by Cortrosyn test before starting treatment, and were treated for approximately 3 weeks over a mean body surface area of 39% (range 15% to 99%). The criteria for suppression were: basal cortisol level of less than or equal to 5 mcg/dL, 30-minute poststimulation level of less than or equal to 18 mcg/dL, or an increase of less than 7 mcg/dL. Follow-up testing 2 to 4 weeks after stopping treatment, available for 8 of the patients, demonstrated suppressed HPA axis function in 3 patients, using these same criteria. Long-term use of topical corticosteroids has not been studied in this population (see CLINICAL PHARMACOLOGY – Pharmacokinetics).

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 and/or after withdrawal of treatment. Pediatric patients may be more susceptible than adults to skin atrophy, including striae, when they are treated with topical corticosteroids. Pediatric patients applying topical corticosteroids to greater than 20% of body surface are at higher risk of HPA axis suppression.

HPA axis suppression, Cushing's syndrome, linear growth retardation, delayed weight gain, and

intracranial hypertension have been reported in pediatric patients 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.

Mometasone Furoate, USP Ointment 0.1% should not be used in the treatment of diaper dermatitis.

### **Geriatric Use**

Clinical studies of Mometasone Furoate, USP Ointment 0.1% included 310 subjects who were 65 years of age and over and 57 subjects who were 75 years of age and over. No overall differences in safety or effectiveness were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly and younger patients. However, greater sensitivity of some older individuals cannot be ruled out.

### **ADVERSE REACTIONS**

In controlled clinical studies involving 812 patients, the incidence of adverse reactions associated with the use of Mometasone Furoate, USP Ointment 0.1% was 4.8%. Reported reactions included burning, pruritus, skin atrophy, tingling/ stinging, and furunculosis. Reports of rosacea associated with the use of Mometasone Furoate, USP Ointment 0.1% have been received. In controlled clinical studies (n=74) involving pediatric patients 2 to 12 years of age, the incidence of adverse experiences associated with the use of Mometasone Furoate Cream is approximately 7%. Reported reactions included stinging, pruritus, and furunculosis.

The following adverse reactions were reported to be possibly or probably related to treatment with Mometasone Furoate, USP Ointment 0.1% during a clinical study, in 5% of 63 pediatric patients 6 months to 2 years of age: decreased glucocorticoid levels, 1; an unspecified skin disorder, 1; and a bacterial skin infection, 1. The following signs of skin atrophy were also observed among 63 patients treated with Mometasone Furoate, USP Ointment 0.1% in a clinical study: shininess 4, telangiectasia 1, loss of elasticity 4, loss of normal skin markings 4, thinness 1. Striae and bruising were not observed in this study.

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: irritation, dryness, folliculitis, hypertrichosis, acneiform eruptions, hypopigmentation, perioral dermatitis, allergic contact dermatitis, secondary infection, striae, and miliaria.

### **OVERDOSAGE**

Topically applied Mometasone Furoate, USP Ointment 0.1% can be absorbed in sufficient amounts to produce systemic effects (see **PRECAUTIONS**).

### **DOSAGE AND ADMINISTRATION**

Apply a thin film of Mometasone Furoate, USP Ointment 0.1% to the affected skin areas once daily. Mometasone Furoate, USP Ointment 0.1% may be used in pediatric patients 2 years of age or older. Since safety and efficacy of Mometasone Furoate, USP Ointment 0.1% have not been adequately established in pediatric patients below 2 years of age, its use in this age group is not recommended (see **PRECAUTIONS – Pediatric Use**).

As with other corticosteroids, therapy should be discontinued when control is achieved. If no improvement is seen within 2 weeks, reassessment of diagnosis may be necessary. Safety and efficacy of Mometasone Furoate, USP Ointment 0.1% in pediatric patients for more than 3 weeks of use have not

been established.

Mometasone Furoate, USP Ointment 0.1% should not be used with occlusive dressings unless directed by a physician. Mometasone Furoate, USP Ointment 0.1% should not be applied in the diaper area if the child still requires diapers or plastic pants as these garments may constitute occlusive dressing.

## HOW SUPPLIED

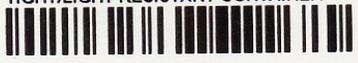
Mometasone Furoate, USP Ointment 0.1% is supplied in 15 g (NDC 0713-0635-15) and 45 g (NDC 0713-0635-37) tubes; boxes of one.

**Store at 25°C (77°F); excursions permitted to 15-30°C (59-86°F)**

[See USP Controlled Room Temperature]

G and W Laboratories, Inc.  
South Plainfield, NJ 07080

## PRINCIPAL DISPLAY PANEL

<p><b>BULK SOURCE DATA</b> MFR: G&amp;W LABORATORIES, INC. SOUTH PLAINFIELD, NJ 07080 <b>PRODUCT ID:</b> WHITE / BLACK / NAVY BLUE BOX PRINTED NDC 0713-0635-37</p> <p><b>BULK SOURCE NDC: 00713-0635-37</b> MFR. LOT: XXXXXX PEDIGREE #: 20514216 DISPENSE IN THIS TIGHT/LIGHT RESISTANT CONTAINER</p> 	 <p><b>MOMETASONE FUROATE 0.1%</b> <b>45 g OINTMENT</b> <b>NDC 68258-3997-04</b> <b>PRODUCT # 3M0338</b></p> <p><small>Rev. Date: 12/11</small></p> <p><b>EACH GRAM CONTAINS: 1 mg MOMETASONE FUROATE USP IN AN OINTMENT BASE</b></p> <p><b>LOT# SAMPLE EXP: 00-00 Rx # 25826010</b> <b>RX ONLY</b></p>	<p><b>WARNING: KEEP OUT OF CHILDREN'S REACH STORE AT 77°F. SEE USP.</b></p> <p>3M0338 NDC 68258-3997-04 MOMETASONE FUROATE 0.1% 45 g OINTMENT LOT # SAMPLE EXP: 00-00 MN 00713-0635-37 RX# 25826010</p> <p>3M0338 NDC 68258-3997-04 MOMETASONE FUROATE 0.1% 45 g OINTMENT LOT # SAMPLE EXP: 00-00 MN 00713-0635-37 RX# 25826010</p> <p>3M0338 NDC 68258-3997-04 MOMETASONE FUROATE 0.1% 45 g OINTMENT LOT # SAMPLE EXP: 00-00 MN 00713-0635-37 RX# 25826010</p>  <p><small>Packaged Exclusively By:</small> <b>DISPENSING SOLUTIONS<sup>INC</sup></b> <small>Santa Ana, CA 92704</small></p>
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NDC 68258-3997-04

<b>MOMETASONE FUROATE</b>			
mometasone furoate ointment			
<b>Product Information</b>			
<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:68258-3997(NDC:0713-0635)
<b>Route of Administration</b>	TOPICAL		
<b>Active Ingredient/Active Moiety</b>			
Ingredient Name	Basis of Strength	Strength	
Mometasone Furoate (UNII: 04201GDN4R) (Mometasone Furoate - UNII:04201GDN4R)	Mometasone Furoate	1 mg in 1 g	

## Inactive Ingredients

Ingredient Name	Strength
Hexylene Glycol (UNII: KEH0A3F75J)	
Phosphoric Acid (UNII: E4GA8884NN)	
Propylene Glycol Monopalmitostearate (UNII: F76354LMGR)	
Stearyl Alcohol (UNII: 2KR89I4HIY)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
White Wax (UNII: 7G1J5DA97F)	
Petrolatum (UNII: 4T6H12BN9U)	
Water (UNII: 059QF0K00R)	

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:68258-3997-4	45 g in 1 TUBE		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA077401	10/18/2006	

**Labeler** - Dispensing Solutions, Inc. (066070785)

**Registrant** - PSS World Medical, Inc. (101822682)

## Establishment

Name	Address	ID/FEI	Business Operations
Dispensing Solutions, Inc.		066070785	relabel, repack

Revised: 2/2012

Dispensing Solutions, Inc.