ULTRAVATE- halobetasol propionate lotion
Sun Pharmaceutical Industries, Inc.

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use ULTRAVATE® lotion safely and effectively. See full prescribing information for ULTRAVATE lotion.

ULTRAVATE (halobetasol propionate) lotion
Initial U.S. Approval: 1990

INDICATIONS AND USAGE
ULTRAVATE lotion is a corticosteroid indicated for the topical treatment of plaque psoriasis in patients eighteen (18) years of age and older. (1)

DOSAGE AND ADMINISTRATION
- Apply a thin layer to the affected areas twice daily. (2)
- Limit use to 50 g/week. (2)
- Discontinue ULTRAVATE lotion when control is achieved. (2)
- If no improvement is seen within 2 weeks, reassess diagnosis. (2)
- Treatment beyond 2 consecutive weeks is not recommended. (2)
- Do not use with occlusive dressings unless directed by a physician. (2)
- Avoid use on the face, scalp, groin, or axillae. (2)
- ULTRAVATE lotion is not for ophthalmic, oral, or intravaginal use.

DOSAGE FORMS AND STRENGTHS
Lotion: 0.05% (0.5 mg/g). (3)

CONTRAINDICATIONS
None. (4)

WARNINGS AND PRECAUTIONS
- Reversible hypothalamic-pituitary-adrenal (HPA) axis suppression may occur, with the potential for glucocorticosteroid insufficiency during or after treatment. (5.1)
- Systemic effects of topical corticosteroids may also include Cushing’s syndrome, hyperglycemia, and glucosuria. (5.1)
- Systemic absorption may require evaluation for HPA axis suppression. (5.1)
- Use of potent corticosteroids on large areas, for prolonged durations, under occlusive dressings, or on an altered skin barrier may increase systemic exposure. (5.1)
- Children may be more susceptible to systemic toxicity when treated with topical corticosteroids. (5.1, 8.4)
- Local adverse reactions with topical corticosteroids may include atrophy, striae, irritation, acneiform eruptions, hypopigmation, and allergic contact dermatitis. Adverse reactions may be more likely to occur with occlusive use or more potent corticosteroids. (5.2, 5.4)
- Initiate appropriate therapy if concomitant skin infections develop. (5.3)

ADVERSE REACTIONS
The most commonly reported adverse reactions (≥1%) are telangiectasia, application site atrophy, and headache. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Drug Safety at 1-800-406-7984 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 3/2018

FULL PRESCRIBING INFORMATION: CONTENTS*
1 INDICATIONS AND USAGE
2 DOSAGE AND ADMINISTRATION
3 DOSAGE FORMS AND STRENGTHS
4 CONTRAINDICATIONS
FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE
ULTRAVATE lotion is a corticosteroid indicated for the topical treatment of plaque psoriasis in patients eighteen (18) years of age and older.

2 DOSAGE AND ADMINISTRATION
Apply a thin layer of ULTRAVATE lotion to the affected skin twice daily for up to two weeks. Rub gently.
Discontinue therapy when control is achieved. If no improvement is seen within two weeks, reassessment of diagnosis may be necessary.
Treatment beyond two weeks is not recommended and the total dosage should not exceed 50 grams (50 mL) per week because of the potential for the drug to suppress the hypothalamic-pituitary-adrenal (HPA) axis [see Warnings and Precautions 5.1]. Do not use with occlusive dressings unless directed by a physician.
ULTRAVATE lotion is for external use only.
Avoid use on the face, scalp, groin, or axillae.
ULTRAVATE lotion is not for ophthalmic, oral, or intravaginal use.

3 DOSAGE FORMS AND STRENGTHS
ULTRAVATE (halobetasol propionate) lotion, 0.05% is a white to off-white lotion. Each gram of ULTRAVATE lotion contains 0.5 mg of halobetasol propionate.

4 CONTRAINDICATIONS
None.

5 WARNINGS AND PRECAUTIONS

5.1 Effects on Endocrine System
ULTRAVATE lotion is a topical corticosteroid that has been shown to suppress the hypothalamic-pituitary-adrenal (HPA) axis.

Systemic effects of topical corticosteroids may include reversible HPA axis suppression, with the potential for glucocorticosteroid insufficiency. This may occur during treatment or upon withdrawal of treatment of the topical corticosteroid.

The potential for hypothalamic-pituitary adrenal (HPA) suppression with ULTRAVATE lotion was evaluated in a study of 20 adult subjects with moderate to severe plaque psoriasis involving ≥20% of their body surface area. ULTRAVATE lotion produced HPA axis suppression when used twice daily for two weeks in 5 out of 20 (25%) adult patients with plaque psoriasis. Recovery of HPA axis function was generally prompt with the discontinuation of treatment [see Clinical Pharmacology (12.2)].

Because of the potential for systemic absorption, use of topical corticosteroids, including ULTRAVATE lotion, may require that patients be evaluated periodically for evidence of HPA axis suppression. Factors that predispose a patient using a topical corticosteroid to HPA axis suppression include the use of more potent corticosteroids, use over large surface areas, prolonged use, occlusive use, use on an altered skin barrier, concomitant use of multiple corticosteroid-containing products, liver failure, and young age. An ACTH stimulation test may be helpful in evaluating patients for HPA axis suppression.

If HPA axis suppression is documented, attempt to gradually withdraw the drug, reduce the frequency of application, or substitute a less potent steroid. Manifestations of adrenal insufficiency may require supplemental systemic corticosteroids. Recovery of HPA axis function is generally prompt and complete upon discontinuation of topical corticosteroids.

Systemic effects of topical corticosteroids may also include Cushing's syndrome, hyperglycemia, and glucosuria. Use of more than one corticosteroid-containing product at the same time may increase the total systemic exposure to topical corticosteroids.

Pediatric patients may be more susceptible than adults to systemic toxicity from the use of topical corticosteroids due to their larger surface-to-body mass ratios [see Use in Specific Populations (8.4)].

5.2 Local Adverse Reactions
Local adverse reactions from topical corticosteroids may include atrophy, striae, telangiectasias, burning, itching, irritation, dryness, folliculitis, acneiform eruptions, hypopigmentation, perioral dermatitis, allergic contact dermatitis, secondary infection, and miliaria. These may be more likely to occur with occlusive use, prolonged use, or use of higher potency corticosteroids, including ULTRAVATE lotion. Some local adverse reactions may be irreversible.

5.3 Concomitant Skin Infections
Use an appropriate antimicrobial agent if a skin infection is present or develops. If a favorable response does not occur promptly, discontinue use of ULTRAVATE lotion until the infection has been adequately treated.
5.4 Allergic Contact Dermatitis

Allergic contact dermatitis with corticosteroids is usually diagnosed by observing failure to heal rather than noting a clinical exacerbation. Consider confirmation of a clinical diagnosis of allergic contact dermatitis by appropriate patch testing. Discontinue ULTRAVATE lotion if allergic contact dermatitis is established.

6 ADVERSE REACTIONS

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 practice.

During randomized, controlled, blinded clinical trials 277 adults with plaque psoriasis were treated with ULTRAVATE lotion twice daily for up to two weeks (up to approximately 50 grams/week).

Table 1 presents adverse reactions that occurred in at least 1% of subjects treated with ULTRAVATE lotion twice daily for up to two weeks, and more frequently than in vehicle-treated subjects.

Table 1. Adverse Reactions Occurring in ≥ 1% of Subjects Treated with ULTRAVATE Lotion for up to Two Weeks

<table>
<thead>
<tr>
<th>Adverse Reaction</th>
<th>ULTRAVATE Lotion (N= 277)</th>
<th>Vehicle Lotion (N= 259)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telangiectasia</td>
<td>1%</td>
<td>0%</td>
</tr>
<tr>
<td>Application site atrophy</td>
<td>1%</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Headache</td>
<td>1%</td>
<td>&lt; 1%</td>
</tr>
</tbody>
</table>

Less common adverse reactions (incidence less than 1% but greater than 0.1%) that occurred in subjects treated with ULTRAVATE lotion included application site discoloration, herpes zoster, influenza, nasopharyngitis, otitis media acute, throat infection, wound, and increased blood pressure.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

There are no data on topical halobetasol propionate use in pregnant women to inform any drug-associated risks for birth defects or miscarriage. In animal reproduction studies, halobetasol propionate administered systemically during organogenesis to pregnant rats at 13 and 33 times the human topical dose and to pregnant rabbits at 3 times the human topical dose resulted in teratogenic and embryotoxic effects [see Data]. The clinical relevance of the animal findings is not clear.

The background risk of major birth defects and miscarriage for the indicated population are unknown. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

Data

Animal Data

Halobetasol propionate has been shown to be teratogenic in rats and rabbits when given systemically during organogenesis at doses of 0.04 to 0.1 mg/kg/day in rats and 0.01 mg/kg/day in rabbits. These
doses are approximately 13, 33, and 3 times, respectively, the human topical dose of halobetasol propionate, 0.05%. Halobetasol propionate was embryotoxic in rabbits but not in rats.
Cleft palate was observed in both rats and rabbits. Omphalocele was seen in rats, but not in rabbits.

8.2 Lactation

Risk Summary
There are no data on the presence of halobetasol propionate or its metabolites in human milk, the effects on the breastfed infant, or the effects on milk production after topical application to women who are breastfeeding.

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. The developmental and health benefits of breastfeeding should be considered along with the mother’s clinical need for ULTRAVATE lotion and any potential adverse effects on the breastfed infant from ULTRAVATE lotion or from the underlying maternal condition.

Clinical Considerations
Advise breastfeeding women not to apply ULTRAVATE lotion directly to the nipple and areola to avoid direct infant exposure.

8.4 Pediatric Use

Safety and effectiveness of ULTRAVATE lotion in patients younger than 18 years of age have not been established.

Because of higher skin surface area to body mass ratios, 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 reactions including striae have been reported with use of topical corticosteroids in infants and children [see Warnings and Precautions (5.1)].

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 [see Warnings and Precautions (5.1)].

8.5 Geriatric Use

Clinical studies with ULTRAVATE lotion included 89 subjects aged 65 years and over. No overall differences in safety or effectiveness were observed between these patients and those younger than 65 years. Clinical studies of ULTRAVATE lotion did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects.

10 OVERDOSAGE

Topically applied ULTRAVATE lotion can be absorbed in sufficient amounts to produce systemic effects [see Warnings and Precautions (5.1)].

11 DESCRIPTION

ULTRAVATE (halobetasol propionate) lotion, 0.05% for topical use contains a corticosteroid, halobetasol propionate. The chemical name of halobetasol propionate is 21-chloro-6α, 9-difluoro-11β, 17-dihydroxy-16β-methylpregna-1, 4-diene-3-20-dione, 17-propionate. Halobetasol propionate is a
white to off-white crystalline powder with a molecular weight of 484.96 and a molecular formula of C25H31ClF2O5. It is practically insoluble in water and freely soluble in dichloromethane and in acetone. It has the following structural formula:

![Structural formula of halobetasol propionate]

Each gram of ULTRAVATE lotion contains 0.5 mg of halobetasol propionate in a white to off-white lotion base consisting of diisopropyl adipate, octyldodecanol, ceteth-20, poloxamer 407, cetyl alcohol, stearyl alcohol, propylparaben, butylparaben, propylene glycol, glycerin, carbomer homopolymer, sodium hydroxide, and water.

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 in plaque psoriasis is unknown.

12.2 Pharmacodynamics
A vasoconstrictor assay in healthy subjects with ULTRAVATE lotion indicated that the formulation is in the super-high range of potency as compared to other topical corticosteroids; however, similar blanching scores do not necessarily imply therapeutic equivalence.

The potential for hypothalamic-pituitary adrenal (HPA) suppression was evaluated in a study of 20 adult subjects with moderate to severe plaque psoriasis. A mean dose of 3.5 grams ULTRAVATE lotion was applied twice daily for two weeks and produced HPA axis suppression in 5 of 20 (25%) patients. In this study, the criteria for HPA-axis suppression was a serum cortisol level of less than or equal to 18 micrograms per deciliter 30 minutes after stimulation with cosyntropin (adrenocorticotropic hormone). These effects were reversible as recovery of HPA axis function was generally prompt with the discontinuation of treatment [see Warnings and Precautions (5.1)].

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 from normal intact skin. Inflammation and/or other disease processes in the skin may increase percutaneous absorption.

In a Phase 2 HPA clinical study [see Clinical Pharmacology (12.2)], pharmacokinetics was evaluated in a subgroup of 12 adult subjects. On Day 8, blood was taken just prior to and at 1, 2, 4, 6, 8, and 12 hours following the last application. Plasma concentration of halobetasol propionate was measureable in all subjects. Based on the geometric mean plasma concentrations at 12 hour post-application across time, steady-state was achieved by Day 8. The mean (±standard deviation) Cmax concentrations for ULTRAVATE lotion on Day 8 was 201.1 ± 157.5 pg/mL, with the corresponding median Tmax value of
3 hours (range 0 – 6 hours); mean area under the halobetasol propionate concentration versus time curve over the dosing interval (AUCt) was 1632 ± 1147 pg•h/mL.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

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

In a 90-day repeat-dose toxicity study in rats, topical administration of halobetasol propionate lotion at dose concentrations from 0.05% to 0.1% or from 0.25 to 0.5 mg/kg/day of halobetasol propionate resulted in a toxicity profile consistent with long-term exposure to corticosteroids including adrenal atrophy, histopathological changes in several organ systems indicative of severe immune suppression, and opportunistic fungal and bacterial infections. A no observable adverse effect level (NOAEL) could not be determined in this study. Although the clinical relevance of the findings in animals to humans is not clear, sustained glucocorticoid-related immune suppression may increase the risk of infection and possibly the risk of carcinogenesis.

Halobetasol propionate was not found to be genotoxic in the Ames/Salmonella assay, in the Chinese hamster CHO/HGPRT assay, in the mouse micronucleus test, in the sister chromatid exchange test in somatic cells of the Chinese hamster, or in the chromosome aberration test in somatic cells of Chinese hamsters. Positive mutagenicity effects were observed in two genotoxicity assays: Chinese hamster nuclear anomaly test and mouse lymphoma gene mutation assay in vitro.

Studies in the rat following oral administration at dose levels up to 50 µg/kg/day indicated no impairment of fertility or general reproductive performance.

14 CLINICAL STUDIES

ULTRAVATE lotion was evaluated for the treatment of moderate to severe plaque psoriasis in two multicenter, randomized, double-blind, vehicle-controlled studies.

These studies were conducted in 443 subjects 18 years of age and older with plaque psoriasis involving between 2% and 12% body surface area. Baseline disease severity was determined using a static, five-level global evaluation scale, on which a subject scored either moderate or severe. Overall, 57% of subjects were male and 86% were Caucasian.

Subjects applied ULTRAVATE lotion or vehicle to all affected areas twice daily for up to 14 consecutive days.

The primary measure of efficacy was Overall Treatment Success, defined as the proportion of subjects who were cleared or almost cleared with at least a two grade improvement from baseline at Week 2 (end of treatment). Table 2 presents these results.

Table 2. Overall Treatment Success in Subjects with Plaque Psoriasis at Week 2

<table>
<thead>
<tr>
<th></th>
<th>Study 1</th>
<th>Study 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ULTRAVATE Lotion N=110</td>
<td>Vehicle Lotion N=111</td>
</tr>
<tr>
<td>Overall Treatment Success*</td>
<td>49 (44.5%)</td>
<td>7 (6.3%)</td>
</tr>
</tbody>
</table>

* Subjects whose condition was cleared or almost cleared of all signs of psoriasis and with at least a two grade improvement from baseline.

The secondary measures of efficacy were Treatment Success for individual signs of psoriasis (scaling,
erythema, and plaque elevation) at the end of treatment (see Table 3).

Table 3. Individual Signs Treatment Success in Subjects with Plaque Psoriasis at Week 2

<table>
<thead>
<tr>
<th>Treatment Success*</th>
<th>Study 1</th>
<th></th>
<th>Study 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ULTRAVATE Lotion N= 110</td>
<td>Vehicle Lotion N= 111</td>
<td>ULTRAVATE Lotion N= 110</td>
<td>Vehicle Lotion N= 112</td>
</tr>
<tr>
<td>Scaling</td>
<td>61 (55.5%)</td>
<td>12 (10.8%)</td>
<td>65 (59.1%)</td>
<td>11 (9.8%)</td>
</tr>
<tr>
<td>Erythema</td>
<td>40 (36.4%)</td>
<td>8 (7.2%)</td>
<td>48 (43.6%)</td>
<td>12 (10.7%)</td>
</tr>
<tr>
<td>Plaque Elevation</td>
<td>50 (45.5%)</td>
<td>9 (8.1%)</td>
<td>48 (43.6%)</td>
<td>9 (8.0%)</td>
</tr>
</tbody>
</table>

* Subjects who were cleared or almost cleared of the designated clinical sign with at least a two grade improvement from baseline.

16 HOW SUPPLIED/STORAGE AND HANDLING

ULTRAVATE lotion, 0.05 % is white to off-white lotion. It is supplied in an oval tapered white high-density polyethylene bottle with a white polypropylene disc cap. Each bottle contains 60 mL (59 g) of ULTRAVATE lotion.

NDC 10631-122-04 60 mL (59 g) bottle

NDC 10631-122-51 120 mL (2-60 mL/59 g bottles)

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

17 PATIENT COUNSELING INFORMATION

This information is intended to aid in the safe and effective use of this medication. It is not a disclosure of all administration instructions or all possible adverse or unintended effects.

Advise patients using ULTRAVATE lotion of the following information and instructions:

Important Administration Instructions

Instruct patients to discontinue ULTRAVATE lotion when psoriasis is controlled. ULTRAVATE lotion should not be used for longer than 2 weeks. Advise patients to contact the physician if no improvement is seen within 2 weeks. Inform patients that total dosage should not exceed 50 grams per week [see Dosage and Administration (2)].

Instruct patients to avoid bandaging, wrapping or otherwise occluding the treatment area(s), unless directed by physician. Advise patients to avoid use on the face, scalp, groin, or axillae [see Dosage and Administration (2)].

Inform patients that ULTRAVATE lotion is for external use only. Advise patients that ULTRAVATE lotion is not for ophthalmic, oral, or intravaginal use [see Dosage and Administration (2)].

Breastfeeding women should not apply ULTRAVATE lotion directly to the nipple and areola to avoid directly exposing the infant [see Lactation (8.2)].

Effects on Endocrine System

ULTRAVATE lotion may cause HPA axis suppression. Advise patients that use of topical corticosteroids, including ULTRAVATE lotion, may require periodic evaluation for HPA axis suppression. Topical corticosteroids may have other endocrine effects. Concomitant use of multiple corticosteroid-containing products may increase the total systemic exposure to topical corticosteroids [see Warnings and Precautions (5.1)].
Local Adverse Reactions
Inform patients that topical corticosteroids may cause local adverse reactions, some of which may be irreversible. These reactions may be more likely to occur with occlusive use, prolonged use or use of higher potency corticosteroids, including ULTRAVATE lotion [see Warnings and Precautions (5.2)].

Rx Only
ULTRAVATE is a trademark of Sun Pharmaceutical Industries, Inc.
Manufactured by: Ferndale Laboratories, Inc., Ferndale, MI 48220
Distributed by: Sun Pharmaceutical Industries, Inc., Cranbury, NJ 08512
U.S. Patent 8,962,028
Document Control No. 69971.
Revised: 11/2017

Ultravate Lotion 60mL (59 g) Carton
## ULTRAVATE
halobetasol propionate lotion

### Product Information

<table>
<thead>
<tr>
<th>Product Type</th>
<th>HUMAN PRESCRIPTION DRUG</th>
<th>Item Code (Source)</th>
<th>NDC: 10631-122</th>
</tr>
</thead>
<tbody>
<tr>
<td>Route of Administration</td>
<td>TOPICAL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Active Ingredient/Active Moiety

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Basis of Strength</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALOBETASOL PROPIONATE (UNII: 91A0KITY3Z) (HALOBETASOL - UNII:9 P6 159 HM7T)</td>
<td>HALOBETASOL PROPIONATE</td>
<td>0.5 mg in 1 g</td>
</tr>
</tbody>
</table>

### Inactive Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Strength</th>
</tr>
</thead>
</table>
DIISOPROPYL ADIPATE (UNII: P7E6YFV72X)
OCTYLDODECANOL (UNII: 461N1O614Y)
CETETH-20 (UNII: B335H21HHX)
POLYOXAMER 407 (UNII: TUF2IVW3M2)
CETYL ALCOHOL (UNII: 936JST6JCN)
STEARYL ALCOHOL (UNII: 2KR894HIY)
GLYCERIN (UNII: PDC6A3C0OX)
CARBOMER HOMOPOLYMER TYPE C (ALLYL PENTAERYTHRITOL CROSSLINKED) (UNII: 4Q93RCW27E)
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)
SODIUM HYDROXIDE (UNII: 55X04 QC32I)
PROPYLPARABEN (UNII: Z8IX2SC1OH)
BUTYLPARABEN (UNII: 3QPI1U3FV8)
WATER (UNII: 059QF0KO0R)

Packaging

<table>
<thead>
<tr>
<th>#</th>
<th>Item Code</th>
<th>Package Description</th>
<th>Marketing Start Date</th>
<th>Marketing End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NDC:10631-122-04</td>
<td>59 g in 1 BOTTLE; Type 0: Not a Combination Product</td>
<td>03/01/2016</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>NDC:10631-122-70</td>
<td>5 in 1 CARTON</td>
<td>04/16/2016</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>NDC:10631-122-19</td>
<td>2 g in 1 TUBE; Type 0: Not a Combination Product</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>NDC:10631-122-51</td>
<td>2 in 1 CARTON</td>
<td>03/19/2018</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>NDC:10631-122-04</td>
<td>59 g in 1 BOTTLE; Type 0: Not a Combination Product</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Marketing Information

<table>
<thead>
<tr>
<th>Marketing Category</th>
<th>Application Number or Monograph Citation</th>
<th>Marketing Start Date</th>
<th>Marketing End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDA</td>
<td>NDA208183</td>
<td>03/01/2016</td>
<td></td>
</tr>
</tbody>
</table>

Labeler - Sun Pharmaceutical Industries, Inc. (146974886)

Establishment

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>ID/FEI</th>
<th>Business Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferndale Laboratories, Inc.</td>
<td>005320536</td>
<td>MANUFACTURE(10631-122)</td>
<td></td>
</tr>
</tbody>
</table>

Revised: 3/2018