CLEOCIN T- clindamycin phosphate solution CLEOCIN T- clindamycin phosphate lotion CLEOCIN T- clindamycin phosphate gel Pharmacia and Upjohn Company LLC

Cleocin T[®]

(clindamycin phosphate topical solution, USP) (clindamycin phosphate topical gel) (clindamycin phosphate topical lotion)

For External Use

DESCRIPTION

CLEOCIN T Topical Solution and CLEOCIN T Topical Lotion contain clindamycin phosphate, USP, at a concentration equivalent to 10 mg clindamycin per milliliter. CLEOCIN T Topical Gel contains clindamycin phosphate, USP, at a concentration equivalent to 10 mg clindamycin per gram. Each CLEOCIN T Topical Solution pledget applicator contains approximately 1 mL of topical solution.

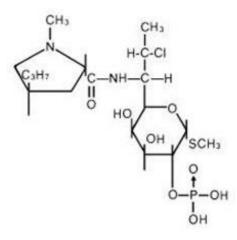
Clindamycin phosphate is a water soluble ester of the semi-synthetic antibiotic produced by a 7(S)-chloro-substitution of the 7(R)-hydroxyl group of the parent antibiotic lincomycin.

The solution contains isopropyl alcohol 50% v/v, propylene glycol, and water.

The gel contains allantoin, carbomer 934P, methylparaben, polyethylene glycol 400, propylene glycol, sodium hydroxide, and purified water.

The lotion contains cetostearyl alcohol (2.5%); glycerin; glyceryl stearate SE (with potassium monostearate); isostearyl alcohol (2.5%); methylparaben (0.3%); sodium lauroyl sarcosinate; stearic acid; and purified water.

The structural formula is represented below:



The chemical name for clindamycin phosphate is Methyl 7-chloro-6,7,8-trideoxy-6-(1-methyl-*trans*-4-propyl-L-2-pyrrolidinecarboxamido)-1-thio-L-*threo*- α -D-*galacto*-octopyranoside 2-(dihydrogen phosphate).

CLINICAL PHARMACOLOGY

Mechanism of Action

The mechanism of action of clindamycin in treating acne vulgaris is unknown.

Pharmacokinetics

Following multiple topical applications of clindamycin phosphate at a concentration equivalent to 10 mg clindamycin per mL in an isopropyl alcohol and water solution, very low levels of clindamycin are present in the serum (0–3 ng/mL) and less than 0.2% of the dose is recovered in urine as clindamycin.

Although clindamycin phosphate is inactive *in vitro*, rapid *in vivo* hydrolysis converts this compound to the antibacterially active clindamycin.

Microbiology

Clindamycin inhibits bacterial protein synthesis by binding to the 23S RNA of the 50S subunit of the ribosome. Clindamycin is bacteriostatic.

Antimicrobial Activity

Clindamycin is active in vitro against most isolates of *Propionibacterium acnes;* however, the clinical significance is unknown.

Resistance

Resistance to clindamycin is most often caused by modification of specific bases of the 23S ribosomal RNA. Cross-resistance between clindamycin and lincomycin is complete. Because the binding sites for these antibacterial drugs overlap, cross resistance is sometimes observed among lincosamides, macrolides and streptogramin B. Macrolide-inducible resistance to clindamycin occurs in some isolates of macrolide-resistant bacteria.

INDICATIONS AND USAGE

CLEOCIN T Topical Solution, CLEOCIN T Topical Gel and CLEOCIN T Topical Lotion are indicated in the treatment of acne vulgaris. In view of the potential for diarrhea, bloody diarrhea and pseudomembranous colitis, the physician should consider whether other agents are more appropriate (see CONTRAINDICATIONS, WARNINGS and ADVERSE REACTIONS).

CONTRAINDICATIONS

CLEOCIN T Topical Solution, CLEOCIN T Topical Gel and CLEOCIN T Topical Lotion are contraindicated in individuals with a history of hypersensitivity to preparations containing clindamycin or lincomycin, a history of regional enteritis or ulcerative colitis, or a history of antibiotic-associated colitis.

WARNINGS

Orally and parenterally administered clindamycin has been associated with severe colitis which may result in patient death. Use of the topical formulation of clindamycin results in absorption of the antibiotic from the skin surface. Diarrhea, bloody diarrhea, and colitis (including pseudomembranous colitis) have been reported with the use of topical and systemic clindamycin.

Studies indicate a toxin(s) produced by clostridia is one primary cause of antibiotic-associated colitis. The colitis is usually characterized by severe persistent diarrhea and severe abdominal cramps and may be associated with the passage of blood and mucus. Endoscopic examination may reveal pseudomembranous colitis. <u>Stool culture for *Clostridium difficile* and stool assay for *C*. <u>difficile toxin may be helpful diagnostically.</u></u>

When significant diarrhea occurs, the drug should be discontinued. Large bowel endoscopy should be considered to establish a definitive diagnosis in cases of severe diarrhea.

Antiperistaltic agents such as opiates and diphenoxylate with atropine may prolong and/or worsen the condition. Vancomycin has been found to be effective in the treatment of antibiotic-associated pseudomembranous colitis produced by *Clostridium difficile*. The usual adult dosage is 500 milligrams to 2 grams of vancomycin orally per day in three to four divided doses administered for 7 to 10 days. <u>Cholestyramine or colestipol resins bind vancomycin in vitro</u>. If both a resin and vancomycin are to be administered concurrently, it may be advisable to separate the time of administration of each drug.

Diarrhea, colitis, and pseudomembranous colitis have been observed to begin up to several weeks following cessation of oral and parenteral therapy with clindamycin.

PRECAUTIONS

General

CLEOCIN T Topical Solution contains an alcohol base which will cause burning and irritation of the eye. In the event of accidental contact with sensitive surfaces (eye, abraded skin, mucous membranes), bathe with copious amounts of cool tap water. The solution has an unpleasant taste and caution should be exercised when applying medication around the mouth.

CLEOCIN T should be prescribed with caution in atopic individuals.

Drug Interactions

Clindamycin has been shown to have neuromuscular blocking properties that may enhance the action of other neuromuscular blocking agents. Therefore, it should be used with caution in patients receiving such agents.

Pregnancy

Teratogenic effects

In clinical trials with pregnant women, the systemic administration of clindamycin during the second and third trimesters has not been associated with an increased frequency of congenital abnormalities. There are no adequate studies in pregnant women during the first trimester of pregnancy. Clindamycin should be used during the first trimester of pregnancy only if clearly needed.

Nursing Mothers

It is not known whether clindamycin is excreted in breast milk following use of CLEOCIN T. However, orally and parenterally administered clindamycin has been reported to appear in breast milk. Clindamycin has the potential to cause adverse effects on the breast-fed infant's gastrointestinal flora. Monitor the breast-fed infant for possible adverse effects on the gastrointestinal flora, such as diarrhea, candidiasis (thrush, diaper rash) or rarely, blood in the stool indicating possible antibiotic-associated colitis.

The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for clindamycin and any potential adverse effects on the breast-fed child from clindamycin or from the underlying maternal condition.

Clinical Considerations

If used during lactation and CLEOCIN T is applied to the chest, care should be taken to avoid accidental ingestion by the infant.

Pediatric Use

Safety and effectiveness in pediatric patients under the age of 12 have not been established.

Geriatric Use

Clinical studies for CLEOCIN T did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients.

ADVERSE REACTIONS

In 18 clinical studies of various formulations of CLEOCIN T using placebo vehicle and/or active comparator drugs as controls, patients experienced a number of treatment emergent adverse dermatologic events [see table below].

Treatment			
Emergent	Solution	Gel	Lotion
Adverse Event	n=553(%)	n=148(%)	n=160(%)
Burning	62 (11)	15 (10)	17 (11)
Itching	36 (7)	15 (10)	17 (11)
Burning/Itching	60 (11)	#(-)	#(-)
Dryness	105 (19)	34 (23)	29 (18)
Erythema	86 (16)	10 (7)	22 (14)
Oiliness/Oily Skin	8 (1)	26 (18)	12* (10)
Peeling	61 (11)	#(-)	11(7)

Number of Patients Reporting Events

not recorded

* of 126 subjects

Orally and parenterally administered clindamycin has been associated with severe colitis which may end fatally.

Cases of diarrhea, bloody diarrhea and colitis (including pseudomembranous colitis) have been reported as adverse reactions in patients treated with oral and parenteral formulations of clindamycin and rarely with topical clindamycin (see WARNINGS).

Abdominal pain, gastrointestinal disturbances, gram-negative folliculitis, eye pain and contact dermatitis have also been reported in association with the use of topical formulations of clindamycin.

OVERDOSAGE

Topically applied CLEOCIN T can be absorbed in sufficient amounts to produce systemic effects (see WARNINGS).

DOSAGE AND ADMINISTRATION

Apply a thin film of CLEOCIN T Topical Solution, CLEOCIN T Topical Lotion, CLEOCIN T Topical Gel, or use a CLEOCIN T Topical Solution pledget for the application of CLEOCIN T twice daily to affected area. More than one pledget may be used. Each pledget should be used only once and then be discarded.

Lotion: Shake well immediately before using.

Pledget: Remove pledget from foil just before use. Do not use if the seal is broken. Discard after

single use.

Keep all liquid dosage forms in containers tightly closed.

HOW SUPPLIED

CLEOCIN T Topical Solution containing clindamycin phosphate equivalent to 10 mg clindamycin per milliliter is available in the following sizes:

30 mL applicator bottle—NDC 0009-3116-01

60 mL applicator bottle—NDC 0009-3116-02

Carton of 60 single-use pledget applicators—NDC 0009-3116-14

CLEOCIN T Topical Gel containing clindamycin phosphate equivalent to 10 mg clindamycin per gram is available in the following sizes:

60 gram tube—NDC 0009-3331-01

30 gram tube—NDC 0009-3331-02

CLEOCIN T Topical Lotion containing clindamycin phosphate equivalent to 10 mg clindamycin per milliliter is available in the following size:

60 mL plastic squeeze bottle—NDC 0009-3329-01

Store at controlled room temperature 20° to 25°C (68° to 77°F) [see USP].

Protect from freezing.

Rx only

This product's label may have been updated. For current full prescribing information, please visit www.pfizer.com.

Distributed by



Pharmacia & Upjohn Co Division of Pfizer Inc, NY, NY 10017

LAB-0042-10.0 Revised 12/2019

PRINCIPAL DISPLAY PANEL - 30 mL Bottle Label

Pfizer

NDC 0009-3116-01

Cleocin T[®] clindamycin phosphate topical solution, USP

1%*

Solution for topical use only

30 mL

Rx only



PRINCIPAL DISPLAY PANEL - 30 mL Bottle Carton

Pfizer

NDC 0009-3116-01

Cleocin T[®]

clindamycin phosphate topical solution, USP

1%*

Solution for topical use only

30 mL **Rx only**

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NDC 0009-3116-01 CIECOCIN T® clindamycin phosphate topical solution, USP 1%* Solution for topical use only	 Store at controlled room temperature 20° to 25°C (68° to 77°F) [see USP]. Protect from freezing. Keep container tightly closed. For external use only. Avoid contact with eyes. DOSAGE AND USE: See accompanying prescribing information. * Each mL contains clindamycin phosphate equivalent to 10 mg/mL (1%) of clindamycin. Also contains propylene glycol; isopropyl alcohol, 50%; and purified water. To use enclosed applicator: 1. Remove cap and discard. 2. Firmly press applicator into bottle. 3. Seal firmly by tightening domed-cap. Patient information: 1. Clean and dry the skin area to be treated. 2. Apply a thin film of medication to the affected area. Use sparingly, avoiding eyes and mouth. If medication accidentally enters eyes, rinse thoroughly with tap water. 3. If using the applicator top, use dabbing motion of the tip rather than a rolling action. If tip becomes dry, invert the bottle and depress tip several times until it becomes moist. 	NDC 0009-3116-01 Cleocin T® clindamycin phosphate topical solution, USP 1%* Solution for topical use only 30 mL Rx only	Source of the second se
		NO COPY, NO VARNISH, NO INK	

Pfizer

NDC 0009-3116-14

Cleocin T[®] clindamycin phosphate topical solution, USP

1%*

Pledget for topical use only

1 Pledget

Distributed by Pharmacia & Upjohn Co Division of Pfizer Inc, NY, NY 10017 MADE IN CHINA

Rx only



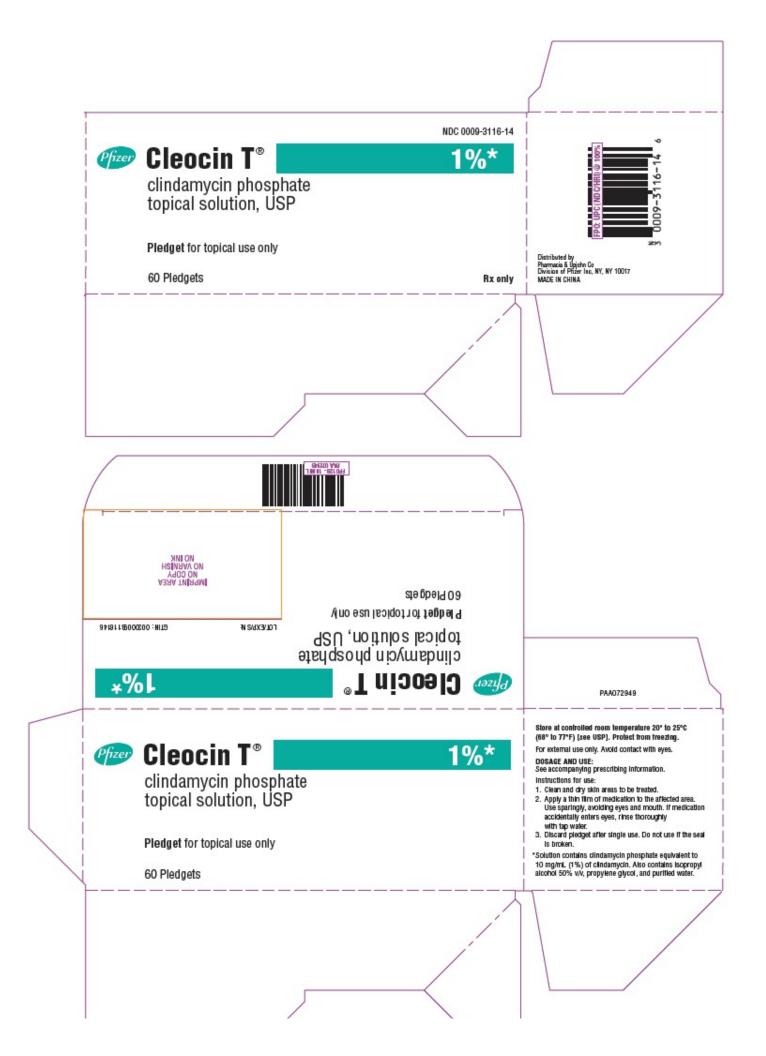
PRINCIPAL DISPLAY PANEL - 60 Pledget Packet Carton

NDC 0009-3116-14

Pfizer Cleocin T[®] 1%* clindamycin phosphate topical solution, USP

Pledget for topical use only

60 Pledgets **Rx only**





PRINCIPAL DISPLAY PANEL - 60 mL Bottle Label

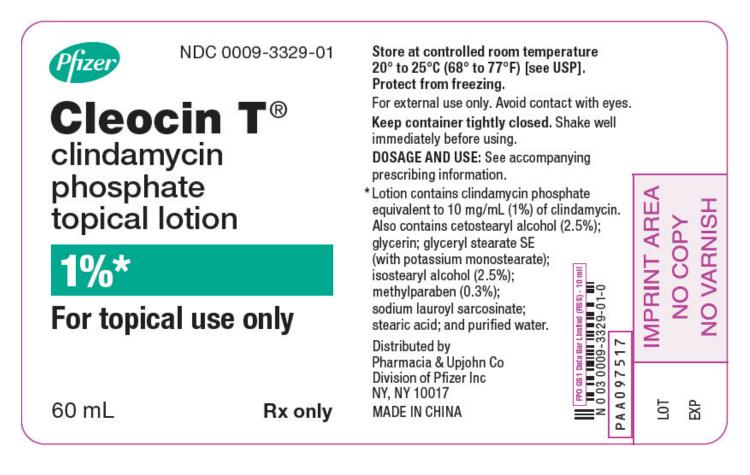
Pfizer NDC 0009-3329-01

Cleocin T[®] clindamycin phosphate topical lotion

1%*

For topical use only

60 mL Rx only



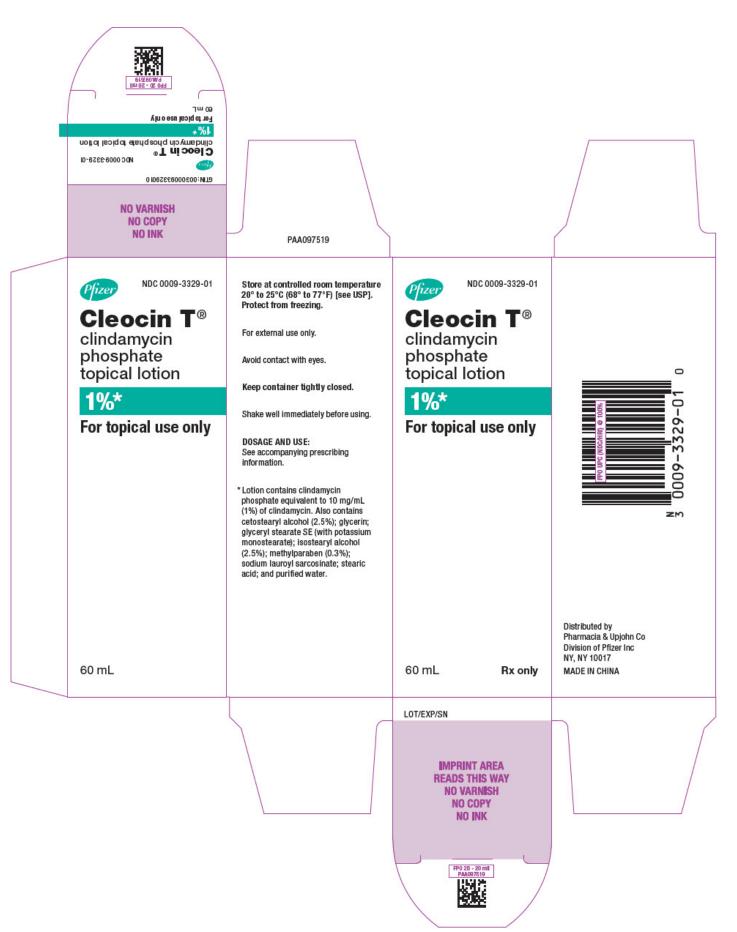
PRINCIPAL DISPLAY PANEL - 60 mL Bottle Carton

Pfizer NDC 0009-3329-01

Cleocin T[®] clindamycin phosphate topical lotion

1%*

For topical use only



PRINCIPAL DISPLAY PANEL - 60 gram Tube Label

NDC 0009-3331-01

60 gram

Rx only

Cleocin T[®] clindamycin phosphate topical gel

For topical use only

1%*

Store at controlled room temperature 20° to 25°C (68° to 77°F) [see USP]. Protect from freezing.

For external use only. Avoid contact with eyes. See crimp of tube for Expiration Date and Lot Number. **DOSAGE AND USE:** See accompanying prescribing information. * Each gram contains clindamycin phosphate equivalent to 10 mg (1%) of clindamycin. Also contains allantoin, carbomer 934P, methylparaben, polyethylene glycol 400, propylene glycol, sodium hydroxide, and purified water.

Pfizer

Distributed by **Pharmacia & Upjohn Co** Division of Pfizer Inc, NY, NY 10017

60 gram	NDC 0009-3331-01 Rx only	LOT	
	cin T[®] ycin phosphate topical gel	EXP	
	For topical use only		
[see USP]. Prot For external use See crimp of tub DOSAGE AND U *Each gram conta (1%) of clindam	1%* led room temperature 20° to 25°C (68° to 77°F) ect from freezing. only. Avoid contact with eyes. the for Expiration Date and Lot Number. SE: See accompanying prescribing information. tins clindamycin phosphate equivalent to 10 mg ycin. Also contains allantoin, carbomer 934P, polyethylene glycol 400, propylene glycol, sodium burified water.	N 0009-3331-01 3	
Pfize	Distributed by Pharmacia & Upjohn Co Division of Pfizer Inc, NY, NY 10017		

PRINCIPAL DISPLAY PANEL - 60 gram Tube Carton

NDC 0009-3331-01

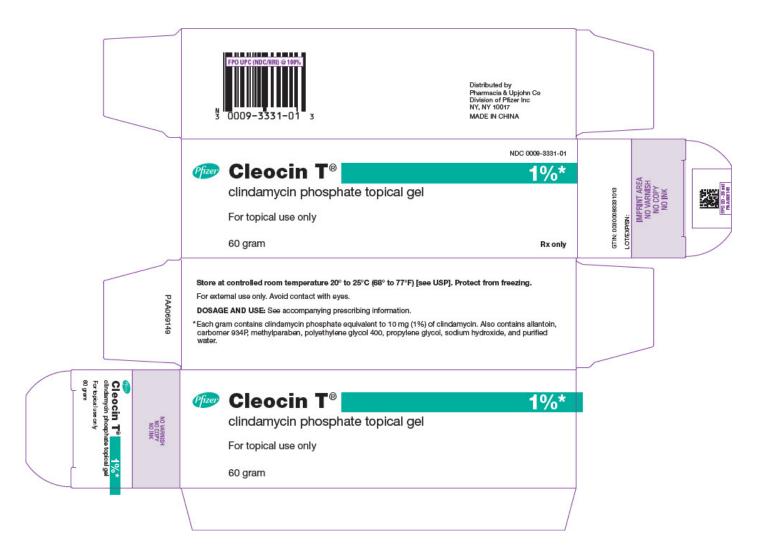
Pfizer

Cleocin T® 1%*

clindamycin phosphate topical gel

For topical use only

60 gram Rx only



PRINCIPAL DISPLAY PANEL - 30 gram Tube Label

NDC 0009-3331-02

30 gram

Rx only

Cleocin T[®] clindamycin phosphate topical gel

For topical use only

1%*

Store at controlled room temperature 20° to 25°C (68° to 77°F) [see USP]. Protect from freezing.

For external use only. Avoid contact with eyes.

See crimp of tube for Expiration Date and Lot Number.

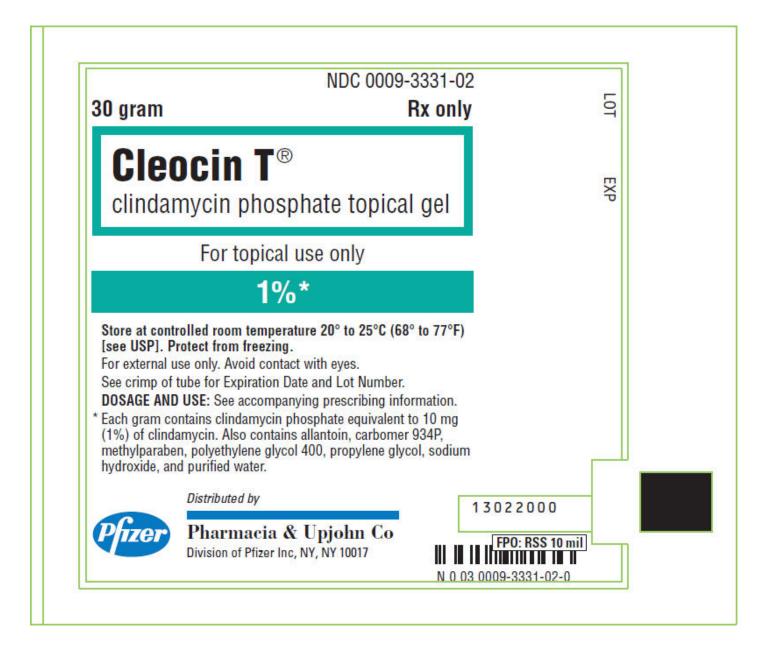
DOSAGE AND USE: See accompanying prescribing information.

* Each gram contains clindamycin phosphate equivalent to 10 mg

(1%) of clindamycin. Also contains allantoin, carbomer 934P,

methylparaben, polyethylene glycol 400, propylene glycol, sodium hydroxide, and purified water.

Pfizer Distributed by **Pharmacia & Upjohn Co**

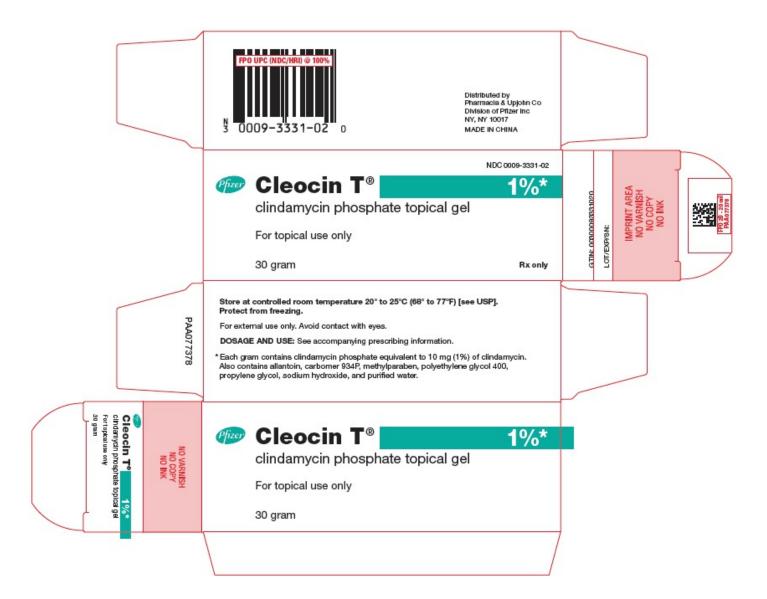


PRINCIPAL DISPLAY PANEL - 30 gram Tube Carton

NDC 0009-3331-02

Pfizer Cleocin T[®] **1%*** clindamycin phosphate topical gel For topical use only

30 gram **Rx only**



CLEOCIN T					
clindamycin phosphate solution					
Product Information					
Product Type	HUMAN PRESCRIPTION DRUG	Item Code	(Source)	NDC	:0009-3116
Route of Administration	TOPICAL				
Active Ingredient/Active Moi	ety				
In	gredient Name		Basis of Str	ength	Strength
CLINDAMYCIN PHO SPHATE (UNII: E	H6 D7113I8) (CLINDAMYCIN - UNII:3U02E	EL437C)	CLINDAMYCI	1	$10\ mg$ in $1\ mL$
Inactive Ingredients					
	Ingredient Name			St	trength
ISOPROPYL ALCOHOL (UNII: ND2M	416302)				
PROPYLENE GLYCOL (UNII: 6DC9Q	167V3)				
WATER (UNII: 059QF0KO0R)					

Packaging					
# Item Cod	e	Package Description		Marketing Star Date	rt Marketing End Date
1 NDC:0009- 3116-01	1 in 1	CARTON	06/20/1980		
1	30 m	L in 1 BOTTLE; Type 1: Convenience Kit of Co-Package	2		
2 NDC:0009- 3116-02	1 in 1	CARTON	06/20/1980	06/30/2018	
2	60 m	L in 1 BOTTLE; Type 1: Convenience Kit of Co-Package			
3 NDC:0009- 3116-14	60 in	1 CARTON	06/20/1980	0 3/31/20 19	
3		in 1 PACKET; Type 2: Prefilled Drug Delivery Device/Sy ge, patch, etc.)	ste m		
Marketin	g Info	rmation			
Marketin Marketing C	0		Market	ing Start Date	Marketing End Date

CL	EOCIN T						
clind	lamycin phospha	te lotion					
Pro	oduct Informat	ion					
Pro	duct T yp e		HUMAN PRESCRIPTION DRUG	Item Code	(Source)	NDC:	0009-3329
Rou	ite of Administra	tion	TOPICAL				
Act	ive Ingredient	Active Moie	etv				
1100	ive ingreatent		gredient Name		Basis of Str	ength	Strength
CLI	NDAMYCIN PHO S		- 16 D711318) (CLINDAMYCIN - UNII:3U021	EL437C)	CLINDAMYCI	0	10 mg in 1 mL
Ina	ctive Ingredie	nts					
			Ingredient Name				Strength
CETOSTEARYL ALCOHOL (UNII: 2DMT128M1S)						0	
GLY	CERIN (UNII: PDC)	6A3C0OX)					
ISO	STEARYL ALCOH	IO L (UNII: Q613	OCQ44Y)				
MET	THYLPARABEN (U	NII: A218C7HI9T)				
SOE	DIUM LAURO YL S	ARCOSINATE (UNII: 632GS99618)				
STE	ARIC ACID (UNII: 4	4ELV7Z65AP)					
WAT	FER (UNII: 059QF0	KO0R)					
Pac	ckaging						
#	Item Code		Package Description	Marketing	g Start Date	Market	ting End Date

	1 in 1 CADTON		05/31/1989		
1 NDC:0009-3329-01					
1	60 mL in I BOI	TLE; Type 0: Not a Combination Product			
Marketing Info	ormation				
Marketing Category		on Number or Monograph Citation	Marketing Start Da	ate Mar	keting End Date
	NDA050600	in Number of Monograph Citation	05/31/1989		ke ung Enu Date
NDA	NDA050600		05/31/1989		
CLEOCIN T					
lindamycin phosphat	te gel				
Product Informat	ion				
Product Type		HUMAN PRESCRIPTION DRUG	Item Code (Source)) NI	DC:0009-3331
Route of Administrat	tion	TOPICAL			
Active Ingredient	/Active Moi	ety			
U		gredient Name	Basis	of Streng	gth Strength
CLINDAMYCIN PHO SI		H6 D7113I8) (CLINDAMYCIN - UNII:3U02E		AMYCIN	10 mg in 1 g
				IIII GEV	10 116 11 16
Inactive Ingradia					
Inactive Ingredie	nts				
		Ingredient Name			Strengt
ALLANTOIN (UNII: 344					
CARBO MER HO MO PO	OLYMER TYPE	B (ALLYL PENTAERYTHRITOL CRO	SSLINKED) (UNII: HHT	0 1ZNK31)	
METHYLPARABEN (U					
POLYETHYLENE GLY	COL 400 (UNI	í: B697894SGQ)			
PROPYLENE GLYCOI	L (UNII: 6DC9Q	167V3)			
	C (UNII: 55X04Q				
SO DIUM HYDRO XIDE					
SO DIUM HYDRO XIDE					
SODIUM HYDROXIDE WATER (UNII: 059QF0)					
SODIUM HYDROXIDE WATER (UNII: 059QF0)					
sodium hydroxide water (UNII: 059QF0 Packaging	KO0R)	C32Ŋ	Marketing Start Da	ite Marl	ceting End Date
SODIUM HYDROXIDE WATER (UNII: 059QF0 Packaging # Item Code	KO0R)	C32D Package Description	Marketing Start Da 01/07/1987	ite Mark	ceting End Date
SO DIUM HYDRO XIDE WATER (UNII: 059QF0 Packaging # Item Code 1 NDC:0009-3331-01	KO0R) 1 in 1 CARTON	C32D Package Description	Marketing Start Da 0 1/0 7/19 8 7	ite Mark	ceting End Date
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SOUUM HYDROXIDE WATER (UNII: 059QF03 P Kaging Item Code NDC:0009-3331-01 I NDC:0009-3331-02	KOOR) 1 in 1 CARTON 60 g in 1 TUBE 1 in 1 CARTON	C32I) Package Description ; Type 0: Not a Combination Product	-	ite Mark	ceting End Date
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SOUUM HYDROXIDE WATER (UNII: 059QF0) Packaging Item Code NDC:0009-3331-01 INDC:0009-3331-02	KOOR) 1 in 1 CARTON 60 g in 1 TUBE 1 in 1 CARTON	C32I) Package Description ; Type 0: Not a Combination Product	0 1/0 7/19 8 7	ite Mark	seting End Date
SOUUM HYDROXIDE WATER (UNII: 059QF03 P Kaging Item Code NDC:0009-3331-01 I NDC:0009-3331-02	KOOR) 1 in 1 CARTON 60 g in 1 TUBE 1 in 1 CARTON 30 g in 1 TUBE	C32I) Package Description ; Type 0: Not a Combination Product	0 1/0 7/19 8 7	ite Mark	ceting End Date
SOUUM HYDROXIDE WATER (UNII: 059QF03 Packaging I NDC:0009-3331-01 I NDC:0009-3331-02 I	KOOR) 1 in 1 CARTON 60 g in 1 TUBE 1 in 1 CARTON 30 g in 1 TUBE Drmation	C32I) Package Description ; Type 0: Not a Combination Product	0 1/0 7/19 8 7		eting End Date

Establishment				
Name	Address	ID/FEI	Business Operations	
Pharmacia and Upjohn Company LLC		618054084	ANALYSIS(0009-3116, 0009-3329, 0009-3331), API MANUFACTURE(0009-3116, 0009-3329, 0009-3331), LABEL(0009-3116, 0009-3329, 0009-3331), MANUFACTURE(0009-3116, 0009-3329, 0009-3329, 0009-3331)	

Revised: 12/2019

Pharmacia and Upjohn Company LLC