
MEDLINE CHLORHEXIDINE GLUCONATE 0.12% ORAL RINSE, USP Rx Only, NDC 53329-301-24

DESCRIPTION

0.12% chlorhexidine gluconate (CHG) is an oral rinse containing (1,1'-hexamethylene bis [5-(p-chlorophenyl) biguanide]di-D-gluconate) in a base containing water, 11 .6% alcohol, glycerin, PEG-40 sorbitan diisostearate, flavor, sodium saccharin, and FD&C Blue No.1. Chlorhexidine gluconate product is a near neutral solution (pH range 5-7). Chlorhexidine gluconate is a salt of chlorhexidine and gluconic acid. Its chemical structure is:

CLINICAL PHARMACOLOGY

Chlorhexidine gluconate oral rinse provides antimicrobial activity during oral rinsing. The clinical significance of chlorhexidine gluconate oral rinse's antimicrobial activities is not clear. Microbiological sampling of plaque has shown a general reduction of counts of certain assayed bacteria, both aerobic and anaerobic, ranging from 54–97% through six months use.

Use of chlorhexidine gluconate oral rinse in a six month clinical study did not result in any significant changes in bacterial resistance, overgrowth of potentially opportunistic organisms or other adverse changes in the oral microbial ecosystem. Three months after chlorhexidine gluconate oral rinse use was discontinued, the number of bacteria in plaque had returned to baseline levels and resistance of plaque bacteria to chlorhexidine gluconate was equal to that at baseline.

Pharmacokinetics: Pharmacokinetic studies with chlorhexidine gluconate oral rinse indicate approximately 30% of the active ingredient, chlorhexidine gluconate, is retained in the oral cavity following rinsing. This retained drug is slowly released into the oral fluids. Studies conducted on human subjects and animals demonstrate chlorhexidine gluconate is poorly absorbed from the gastrointestinal tract. The mean plasma level of chlorhexidine gluconate reached a peak of 0 .206 μ g/g in humans 30 minutes after they ingested a 300-mg dose of the drug. Detectable levels of chlorhexidine gluconate were not present in the plasma of these subjects 12 hours after the compound was administered. Excretion of chlorhexidine gluconate occurred primarily through the feces (~90%). Less than 1% of the chlorhexidine gluconate ingested by these subjects was excreted in the urine.

INDICATION

Chlorhexidine gluconate oral rinse is indicated for use between dental visits as part of a professional program for the treatment of gingivitis as characterized by redness and swelling of the gingivae, including gingival bleeding upon probing. Chlorhexidine gluconate oral rinse has not been tested among patients with acute necrotizing ulcerative gingivitis (ANUG). For patients having coexisting gingivitis and periodontitis, see PRECAUTIONS.

CONTRAINDICATIONS

Chlorhexidine gluconate oral rinse should not be used by persons who are known to be hypersensitive to chlorhexidine gluconate or other formula ingredients.

WARNINGS

The effect of chlorhexidine gluconate oral rinse on periodontitis has not been determined. An increase in supragingival calculus was noted in clinical testing in chlorhexidine gluconate oral rinse users compared with control users. It is not known if chlorhexidine gluconate oral rinse use results in an increase in subgingival calculus. Calculus deposits should be removed by a dental prophylaxis at intervals not greater than six months. Anaphylaxis, as well as serious allergic reactions, have been reported during postmarketing use with dental products containing chlorhexidine. SEE CONTRAINDICATIONS.

PRECAUTIONS

General

- 1. For patients having coexisting gingivitis and periodontitis, the presence or absence of gingival inflammation following treatment with chlorhexidine gluconate oral rinse should not be used as a major indicator of underlying periodontitis.
- 2. Chlorhexidine gluconate oral rinse can cause staining of oral surfaces, such as tooth surfaces, restorations, and the dorsum of the tongue. Not all patients will experience a visually significant increase in toothstaining. In clinical testing, 56% of chlorhexidine gluconate oral rinse users exhibited a measurable increase in facial anterior stain, compared to 35% of control users after six months; 15% of chlorhexidine gluconate oral rinse users developed what was judged to be heavy stain, compared to 1% of control users after six months. Stain will be more pronounced in patients who have heavier accumulations of unremoved plaque.

Stain resulting from use of chlorhexidine gluconate oral rinse does not adversely affect health of the gingivae or other oral tissues. Stain can be removed from most tooth surfaces by conventional professional prophylactic techniques. Additional time may be required to complete the prophylaxis.

Discretion should be used when prescribing to patients with anterior facial restorations with rough surfaces or margins. If natural stain cannot be removed from these surfaces by a dental prophylaxis, patients should be excluded from chlorhexidine gluconate oral rinse treatment if permanent discoloration is unacceptable. Stain in these areas may be difficult to remove by dental prophylaxis and on rare occasions may necessitate replacement of these restorations.

3. Some patients may experience an alteration in taste perception while undergoing treatment with chlorhexidine gluconate oral rinse. Rare instances of permanent taste alteration following chlorhexidine gluconate oral rinse use have been reported via post-marketing surveillance.

Pregnancy

Teratogenic Effects

Pregnancy category B. Reproduction studies have been performed in rats and rabbits at chlorhexidine gluconate doses up to 300 mg/kg/day and 40 mg/kg/day, respectively, and have not revealed evidence of harm to the fetus. However, adequate and well-controlled studies in pregnant women have not been done. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Nursing Mothers

It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when chlorhexidine gluconate oral rinse is administered to nursing women.

In parturition and lactation studies with rats, no evidence of impaired parturition or of toxic effects to suckling pups was observed when chlorhexidine gluconate was administered to dams at doses that were over 100 times greater than that which would result from a person's ingesting 30 ml (2 capfuls) of chlorhexidine gluconate oral rinse per day.

Pediatric Use

Clinical effectiveness and safety of chlorhexidine gluconate oral rinse have not been established in children under the age of 18.

Carcinogenesis, Mutagenesis, and Impairment of Fertility

In a drinking water study in rats, carcinogenic effects were not observed at doses up to 38 mg/kg/day. Mutagenic effects were not observed in two mammalian in vivo mutagenesis studies with chlorhexidine gluconate. The highest doses of chlorhexidine used in a mouse dominant-lethal assay and a hamster cytogenetics test were 1000 mg/kg/day and 250 mg/kg/day, respectively. No evidence of impaired fertility was observed in rats at doses up to 100 mg/kg/day.

ADVERSE REACTIONS

The most common side effects associated with chlorhexidine gluconate oral rinses are (1) an increase in staining of teeth and other oral surfaces, (2) an increase in calculus formation; and (3) an alteration in taste perception; see WARNINGS and PRECAUTIONS. Oral irritation and local allergy-type symptoms have been spontaneously reported as side effects associated with the use of chlorhexidine gluconate rinse.

The following oral mucosal side effects were reported during placebo-controlled adult clinical trials: aphthous ulcer, grossly obvious gingivitis, trauma, ulceration, erythema, desquamation, coated tongue, keratinization, geographic tongue, mucocele, and short frenum. Each occurred at a frequency of less than 1.0%.

Among post marketing reports, the most frequently reported oral mucosal symptoms associated with chlorhexidine gluconate oral rinse are stomatitis, gingivitis, glossitis, ulcer, dry mouth, hypesthesia, glossal edema, and paresthesia.

Minor irritation and superficial desquamation of the oral mucosa have been noted in patients using chlorhexidine gluconate oral rinse.

There have been cases of parotid gland swelling and inflammation of the salivary glands (sialadenitis) reported in patients using chlorhexidine gluconate oral rinse.

OVERDOSAGE

Ingestion of 1 or 2 ounces of chlorhexidine gluconate oral rinse by a small child (~10 kg body weight) might result in gastric distress, including nausea, or signs of alcohol intoxication. Medical attention should be sought if more than 4 ounces of chlorhexidine gluconate oral rinse is ingested by a small child or if signs of alcohol intoxication develop.

DOSAGE AND ADMINISTRATION

Chlorhexidine gluconate oral rinse therapy should be initiated directly following a dental prophylaxis. Patients using chlorhexidine gluconate oral rinse should be reevaluated and given a thorough prophylaxis at intervals no longer than six months.

Recommended use is twice daily oral rinsing for 30 seconds, morning and evening after tooth brushing. Usual dosage is 15 ml (1 tablespoon) of undiluted chlorhexidine gluconate oral rinse. Patients should be instructed to not rinse with water, or other mouthwashes, brush teeth, or eat immediately after using chlorhexidine gluconate oral rinse. Chlorhexidine gluconate oral rinse is not intended for ingestion and should be expectorated after rinsing.

HOW SUPPLIED

Chlorhexidine gluconate oral rinse is supplied as a blue liquid in single dose (15 ml) amber plastic bottles with child-resistant dispensing closures. NDC 53329-301-24. Store at 20°C to 25°C (68°F to 77°F), excursions permitted to 15°C to 30°C (59°F to 86°F) [See USP controlled Room Temperature].

Rx Only.

Revised: May 2019 **Manufactured for:**

Medline Industries, Inc. Northfield, IL 60093 1999MED15LBLC REF MDS096070 RG19XLI

WHAT TO EXPECT WHEN USING CHLORHEXIDINE GLUCONATE ORAL RINSE

Your dentist has prescribed chlorhexidine gluconate oral rinse to treat your gingivitis, to help reduce the redness and swelling of your gums, and also help you control any gum bleeding. Use chlorhexidine gluconate oral rinse regularly, as directed by your dentist, in addition to daily brushing. Spit out after use, chlorhexidine gluconate oral rinse should not be swallowed.

If you develop allergic symptoms such as skin rash, itch, generalize swelling, breathing difficulties, light headedness, rapid heart rate, upset stomach or diarrhea, seek medical attention immediately. Chlorhexidine gluconate oral rinse shohuld not be used by persons who have a sensitivity to it or its components.

Chlorhexidine gluconate oral rinse may cause some tooth discoloration, or increase in tarter (calculus) formation, particularly in areas where stain and tarter usually form. It is important to see your dentist for removal of any stain or tarter at least every six months or more frequently if your dentist advises.

- Both stain and tarter can be removed by your dentist or hygienist. Chlorhexidine gluconate oral rinse may cause permanent discoloration of some front-tooth fillings.
- To minimize discoloration, you should brush and floss daily, emphasizing areas which begin to discolor.
- Chlorhexidine gluconate oral rinse may taste bitter to some patients and can affect how foods and beverages taste. This will become less noticeable in most cases with continued use of chlorhexidine gluconate oral rinse.
- To avoid taste interference, rinse with chlorhexidine gluconate oral rinse *after* meals. Do not rinse with water or other mouthwashes immediately after rinsing with chlorhexidine gluconate oral rinse.

If you have any questions or comments about chlorhexidine gluconate oral rinse, contact your dentist, pharmacist or Xttrium Laboratories, Inc. toll free at 1-800-587-3721. Call your health care provider for medical advice about side effects. You may report side affects to FDA at 1-800-FDA-1088.

Store at 20°C to 25°C (68°F to 77°F), excursions permitted to 15°C to 30°C (59°F to 86°F) [See USP controlled Room Temperature].

Manufactured for:

Medline Industries, Inc.

Northfield, IL 60093

NDC 53329-301-24

Medline Indstries, Inc.

CHLORHEXIDINE GLUCONATE 0.12% ORAL RINSE, USP

DIRECTIONS FOR USE: Swish in mouth undiluted for 30 seconds, then spit out. Use after breakfast and before bedtime. Or, use as prescribed.

NOTE: To minimize medicinal taste, do not rinse with water immediately after use.

Rx only

KEEP OUT OF REACH OF CHILDREN

15ml

INGREDIENTS: 0.12% chlorhexidine gluconate in a base containing water, 11.6% alcohol, glycerin, PEG-40 sorbitan diisostearate, flavor, sodium saccharin, and FD&C Blue No. 1.

To open, press down while turning cap. To reseal, turn cap past "clicks" until tightly locked.

1999MED15LBLC



Chlorhexidine Gluconate 0.12% Oral Rinse, USP

Rx Only NDC 53329-301-24

DESCRIPTION: 0.1216 chlorhexidine gluconate (CHG) is an oral rinse containing (1,11-hexamethylene bis 5-(p-chlorophenyl) biguanide] di-D-gluconate) in a base containing water, 11.6% alcohol, glycerin, PEG-40 sorbitan disosterate, flavor, sodium saccharin, and FD&C Blue No. 1. Chlorhexidine gluconate product is a near neutral solution (pH range 5-7). Chlorhexidine gluconate is a salt of chlorhexidine and gluconic acid. Its chemical structure is:

CLINICAL PHARMACOLOGY: Chlorheaddine gluconate oral drise provides antimicrobial activity during oral rinsing. The distinct of significance of chlorheaddine gluconate oral rinse's antimicrobial activities is not clear. Microbiological sampling of plaque has shown a general reduction of counts of certain assayed bacteria, both aerobic and anaerobic, ranging from 54-9746 through six months use. Use of chlorheaddine gluconate oral rinse in a six month clinical study did not result in any significant changes in

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Pharmacokinetics: Pharmacokinetic studies with chlorheadthre gluconate or all tinse indicate approximately 30% of the active ingredient, chlorheadthre gluconate, is retained in the oral cavity following insting. This retained drug is slowly released in the oral fluids. Studies conducted on human subjects and animals demonstrate chlorheadthre gluconate is poorly absorbed from the gastrointestinal tract. The mean plasma level of chlorheadthre gluconate reached a peak of 0.206 mcg/g in humans 30 minutes after they ingested a 300 mg dose of the drug. Detectable levels of chlorheadthre gluconate were not present in the plasma of these subjects 12 hours after the compound was administered. Excretion of chlorheadthre gluconate occurred primarily through the feces (~90%). Less than 1% of the chlorheadthre gluconate ingested by these subjects was excreted in the urine.

INDICATION: Chlorhexidine gluconate oral rinse is included for use between dental visits as part of a professional program for the treatment of ginglivitis as characterized by redness and swelling of the ginglive, including ginglival bleeding upon probing. Chlorhexidine gluconate oral rinse has not been tested among patients with acute ne-crotizing ulcerative ginglivitis (ANUG). For patients having coexisting ginglivitis and periodontitis, see PRECAUTIONS.

CONTRAINDICATIONS: Chlorhexidine gluconate oral rinse should not be used by persons who are known to be hypersensitive to chlorhexidine gluconate or other formula largedents. WARNINGS: The effect of chlorhexidine gluconate oral inseon periodontitis has not been determined. An increase in supraginginal calculus was noted in clinical testing in chlorhexidine gluconate oral rinse users compared with control users. It is not known if chlorhexidine gluconate oral rinse use results in an increase in subginginal calculus. Calculus deposits should be removed by a dental prophylaxis at intervals not greater than six months. Anaphylaxis, as well as serious allergic reactions, have been reported during postmarketing use with dental products containing chlorhexidine. SEE CONTRAINDICATIONS.

PRECAUTIONS:

General:

- For patients having coexisting gingivitis and periodontitis, the presence or absence of ginghal inflammation following treatment with chlorhexidine gluconate oral rinse should not be used as a major indicator of underlying periodontitis.
- 2. Chlorhexidine gluconate oral rinse can cause staining of oral surfaces, such as tooth surfaces, restorations, and the dorsum of the tongue. Hot all patients will experience a visually significant increase in tooth-staining. In clinical testing, 56% of chlorhexidine gluconate oral rinse users exhibited a measurable increase in facial anterior stain, compared to 35% of control users after six months; 15% of chlorheddine cluconate oral rinse users developed what was judged to be heavy stain, compared to 1% of control users after six months. Stain will be more pronounced in patients who have heavier accumulations of unremoved plaque. Stain resulting from use of chlorhexidine gluconate oral rinse does not adversely affect health of the gingivae or other oral tissues. Stain can be removed from most tooth surfaces by conventional professional prophylactic techniques. Additional time may be required to complete the prophylaxis. Discretion should be used when prescribing to patients with anterior facial restorations with rough surfaces or margins. If natural stain cannot be removed from these surfaces by a dental prophylaxis, patients should be excluded from chlorhexidine gluconate oral rinse treatment if permanent discoloration is unacceptable. Stain in these areas may be difficult to remove by dental prophylaxis and on rare occasions may necessitate replacement of these restorations.
- 3. Some patients may experience an alteration in taste perception while undergoing treatment with chlorhesidine gluconate or al rinse. Pare instances of permanent taste alteration following chlorhesidine gluconate or al rinse use have been reported via post-marketing product surveillance.

Pregnancy: Teratogenic Effects Pregnancy Category B
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at chlorhexidine gluconate doses up to 300 mg/lig/day and
40 mg/lig/day respectively, and have not revealed evidence
of harm to fetus. However, adequate and well-controlled
studies in pregnant women have not been done. Because
animal reproduction studies are not always predictive of
human response, this drug should be used during pregnancy
only if clearly needed.

Rursing Mothers: It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, cartion should be exercised when chlorheaddine gluconate oral rinse is administered to nursing women. In parturation and lad ation studies with rats, no evidence of impaired parturation or of toxic effects to suckling pups was observed when chlorheaddine gluconate was administered to clama at doses that were over 100 times greater than that which would result from a person'singesting 30 ml of chlorheaddine gluconate oral rinse per day.

Pediatric Use: Clinical effectiveness and safety of chlorhexidine gluconate oral rinse have not been established in children under the age of 18.

Carcinogenesis, Mutagenesis, and Impairment of Fertility: In a drinking water study in rats, carcinogenic effects were not observed at doses up to 38 mg/kg/day. Mutagenic effects were not observed in two mammalian in vivo mutagenesis studies with chlorhexidine gluconate. The highest doses of chlorhexidine used in a mouse dominant-lethal assay and a hamster cytogenetics test were 1000 mg/kg/day and 250 mg/kg/day, respectively. No evidence of impaired fertility was observed in rats at doses up to 100 mg/kg/day.

ADVERSE REACTIONS: The most common side effects associated with chlorhexidine gluconate oral rines are: () an increase in staining of teeth and other oral surfaces; 2) an increase in calculus formation; and 3) an alteration in taste perception; see WARNINGS and PRECAUTIONS. Oral imitation and local allergy-type symptoms have been spontaneously reported as side effects associated with use of chlorhexidine chuconate rinse.

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OVERDOSAGE: Ingestion of 1 or 2 ounces of chlorhexidine gluconate oral rinse by a small child (~ 10 kg body weight) might result in gastric distress, including nausea, or signs of alcohol intoxication. Medical attention should be sought if more than 4 ounces of chlorhexidine gluconate oral rinse is ingested by a small child or if signs of alcohol intoxication develop.

DOS AGE AND ADMINISTRATION: Chlorheddine gluconate oral rinse therapy should be initiated directly following a dental prophylaxis. Patients using chlorhexidine gluconate oral rinse should be reevaluated and given at thorough prophylaxis at intervals no longer than six months. Recommended use is twice daily rinsing for 30 seconds, moming and evening after tooth brushing. Usual dosage is 15 ml (1 tablespoon) of undituted chlorhexidine gluconate oral rinse. Patients should be instructed to not rinse with water, or other mouthwashes, brush teeth, or eat immediately after using chlorhexidine gluconate oral rinse. Chlorhexidine gluconate oral rinse is not intended for ingestion and should be expectorated after rinsing.

HOW SUPPLIED: Chlorheaddine gluconate oral tinse is supplied as a blue liquid insingle close (15 ml) amber plastic bottles with child-resistant dispensing closures. NDC 53329-301-24. Store at 20°C to 25°C (68°F to 75°F), excursions permitted to 15°C to 20°C (59°F to 86°F) [See USP controlled Room Temperature].

Rx Only.

Revised: May 2019

Manufactured for: Medline Industries, Inc. Northfield, IL 60093 1999MED15LBLC REF MD5096070 RG19XLI

WHAT TO EXPECT WHEN USING CHLORHEXIDINE GLUCONATE ORAL RINSE

Your dentist has prescribed chlorheadine gluconate oral rinse to treat your ginglivitis, to help reduce the redness and swelling of your gums, and also to help you control any gum bleeding. Use chlorheadine gluconate oral rinse regularly, as directed by your dentist, in addition to daily brushing. Spit out after use, chlorheadine gluconate oral rinse should not be swallowed.

If you develop allergic symptoms such as skin rash, itch, generalized swelling, breathing difficulties, light headedness, rapid heart rate, upset stomach or diarnhea, seek medical attention immediately.—Chlorheoldine gluconate oral rinse should not be used by persons who have a sensitivity to it or its components.

Chlorhexidine gluconate oral rinse may cause some tooth discoloration, or increase in tartar (calculus) formation, particularly in areas where stain and tartar usually form. It is important to see your dentist for removal of any stain or tartar at least every six months or more frequently if your dentist advises.

- Both stain and tartar can be removed by your dentist or hygienist. Chlorhexidine gluconate oral rinse may cause permanent discoloration of some front-tooth fillings.
- To minimize discoloration, you should brush and floss daily, emphasizing areas which begin to discolor.
- Chlorhexidine gluconate or al rinse may taste bitter to some patients and can affect how foods and beverages taste. This will become less noticeable in most cases with continued use of chlorhexidine gluconate or al rinse.
- To avoid taste interference, rinse with chlorhexidine gluconate oral rinse after meals. Do not rinse with water or other mouthwashes immediately after rinsing with chlorhexidine gluconate oral rinse.

If you have any questions or comments about chlorhexidine gluconate oral rinse, contact your dentist, pharmacist or 20thum Laboratories, inc. toll free at 1-800-587-3721. Call you health care provider for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1068.

Store at 20°C to 25°C (68°F to 77°F), excursions permitted to 15°C to 30°C (59°F to 86°F) [See USP controlled Room Temperature].

> Manufactured for: Medine Industries, Inc. Horthfield, IL 60093

CHLORHEXIDINE GLUCONATE

chlorhexidine gluconate rinse

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:0116-0301
Route of Administration	ORAL		

Active Ingredient/Active Moiety			
Ingredient Name	Basis of Strength	Strength	
CHLORHEXIDINE GLUCONATE (UNII: MOR84MUD8E) (CHLORHEXIDINE - UNII:R4KO0DY52L)	CHLORHEXIDINE GLUCONATE	1.2 mg in 1 mL	

Inactive Ingredients			
Ingredient Name	Strength		
WATER (UNII: 059QF0KO0R)			
ALCOHOL (UNII: 3K9958V90M)			
GLYCERIN (UNII: PDC6 A3C0 OX)			
PEG-40 SORBITAN DIISOSTEARATE (UNII: JL4CCU7I1G)			
SACCHARIN SO DIUM (UNII: SB8 ZUX40 TY)			
FD&C BLUE NO. 1 (UNII: H3R47K3TBD)			

Packaging				
ı	# Item Code	Package Description	Marketing Start Date	Marketing End Date
ı	1 NDC:0116-0301-15	15 mL in 1 BOTTLE; Type 0: Not a Combination Product	08/05/2010	

Marketing Information				
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date	
ANDA	ANDA077789	08/05/2010		

Labeler - Xttrium Laboratories, Inc. (007470579)

Registrant - Xttrium Laboratories, Inc. (007470579)

Establishment				
Name	Address	ID/FEI	Business Operations	
Xttrium Laboratories, Inc.		007470579	manufacture(0116-0301)	

Revised: 10/2020 Xttrium Laboratories, Inc.