**Antiseptic Solution**

Benzalkonium chloride and Polyhexanide topical solution

**Concentrate**

A broad spectrum topical antiseptic solution

**NOT APPROVED BY THE FDA**

Legally marketed as an FDA Indexed Product under MIF 900-007. Extra-label use is prohibited.

**Description:**

The active ingredients in F10® brand Antiseptic solution are Benzalkonium chloride and Polyhexanide. Benzalkonium chloride is a biocide of the quaternary ammonium group. Its chemical name is: N-Alkyl-N-benzyl-N,N- dimethylammonium chloride. Polyhexanide is a cationic biocide. Its chemical name is: Poly (hexamethylene biguanide hydrochloride). Each mL of F10® brand Antiseptic Solution contains 54.0 mg of benzalkonium chloride and 4.0 mg of polyhexanide.

**Indications:**

For the treatment and control of upper and lower respiratory tract disease associated with bacterial, fungal, or viral organisms susceptible to benzalkonium chloride and polyhexanide in raptors, pet birds, captive small mammals, and captive reptiles.

For use as a topical antiseptic for surface wounds on raptors, pet birds, captive small mammals, captive reptiles, and captive exotics/captive mammals.

Use only when there is a reasonable certainty that the treated animal will not be consumed by humans or food-producing animals.

**Dosage and Administration:**

**Surface Wounds:**

For topside wounds flush as necessary. For skin decontamination apply as a wash or spray and allow to air dry.

**Nasal and Sinus Flushing:**

To remove accumulated mucus and inflammatory material in the upper respiratory tract, syringe into the nasal and sinus cavities (consisting of the ethmoid and maxillary sinuses, nasal conchae, infraorbital sinus and choanae) with the animal’s head down and mouth open to avoid aspiration and allow drainage out of the oral cavity. This treatment should be repeated daily for 10-14 days until the signs of illness resolve.

**Nebulization:**

To Nebulize the glottis, trachea, lungs and air sacs for individual birds, reptiles and small mammals use a chamber connected to a nebulizing unit capable of producing a particle size smaller than 5μm which allows the resulting ‘fog’ to build-up inside the chamber within 5 minutes and continue for 20 to 40 seconds. Repeat 2 times a day for 2 to 4 weeks (up to 8 weeks in severe cases) until the signs of illness resolve. In raptors, withhold food for 3 hours after nebulization as crop emptying may be delayed.

For larger animals or groups of small animals, place them in a suitable sized enclosed room in which a standing fog can be achieved in 5 minutes using a portable electrical atomizer/fogger or a static pressure system capable of producing a particle size smaller than 5 μm but which allows the resulting ‘fog’ to build-up inside the chamber within 5 minutes and continue for 20 to 40 seconds. Repeat 2 times a day for 2 to 4 weeks (up to 8 weeks in severe cases) until the signs of illness resolve. In raptors, withhold food for 3 hours after nebulization as crop emptying may be delayed.

**Contraindications:**

Do not use with soaps or other chemicals.

**Warnings:**

Not for use in humans. Keep out of reach of children. If accidentally ingested, do not induce vomiting. Give milk or water to drink, if accidental eye contact, hold eye open and rinse with water for 10 minutes. Seek medical help if necessary.

**Effectiveness:**

The active ingredients Benzalkonium chloride and Polyhexanide act on the cell membrane causing it to rupture, resulting in the loss of essential cell components. Additionally, non-toxic ampholytic surfactants and sequesterants in the drug formulation aid in the penetration of the cell or spore wall. Examples of clinical cases successfully treated with F10® brand Antiseptic Solution include upper respiratory tract disease associated with Pseudomonas spp. and Aspergillus spp. in birds, upper respiratory tract disease associated with Pasteurella spp., Pseudomonas spp., Aspergillus spp. and Mycoplasma spp. in small mammals, acute pneumonia and aspiration pneumonia in neonatal mammals, and upper and lower respiratory tract disease associated with Proteus mirabilis, Pseudomonas aeruginosa, Aeromonas spp. and Mycoplasma spp. in reptiles. All resulted in positive outcomes.

To obtain product information, including Material Safety Data Sheet (MDS) e-mail info@f10products.com

Manufactured by:

Health and Hygiene (Pty) Ltd
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South Africa
Tel: +27 11 474 1668
www.healthandhygiene.co.za

To report a suspected adverse reaction e-mail:info@F10products.com

Adverse reactions may also be reported to the FDA/CVM at 1-888-FDA-VETS or http://www.fda.gov/AnimalVeterinary/SafetyHealth
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Description:
The active ingredients in F10® brand Antiseptic solution are Benzalkonium chloride and Polyhexanide. Benzalkonium chloride is a biocide of the quaternary ammonium group. Its chemical name is: N,N,N,N-tetraalkylammonium chloride. Polyhexanide is a cationic biocide. Its chemical name is: Poly(hexamethylene biguanide hydrochloride). Each mL of F10® brand Antiseptic Solution contains 0.22 mg of benzalkonium chloride and 0.02 mg of polyhexanide.

Indications:
For the treatment and control of upper and lower respiratory tract disease associated with bacterial, fungal, or viral organisms susceptible to benzalkonium chloride and polyhexanide in raptors, pet birds, captive small mammals, and captive reptiles.

For use as a topical antiseptic for surface wounds on raptors, pet birds, captive small mammals, captive reptiles, and captive exotic mammals.

Use only when there is a reasonable certainty that the treated animal will not be consumed by humans or food-producing animals.

Dosage and Administration: This is a Ready to Use solution

Nebulization:
To nebulize the gullet, trachea, lungs and air sacs for individual birds, reptiles and small mammals use a chamber connected to a nebulizing unit capable of producing a particle size smaller than 5 μm but which allows the resulting “fog” to build-up inside the chamber within 5 minutes and continue for 20 to 40 minutes. Repeat 2 times a day for 2 to 4 weeks (up to 8 weeks in severe cases) until the signs of illness resolve. In raptors, withhold food for 3 hours after nebulization as crop emptying may be delayed.

For larger animals or groups of small animals, place them in a suitable sized enclosure in which a standing fog can be achieved in 5 minutes using a portable electrical atomizer/fogger or a static pressure system capable of producing a particle size of 10 to 12 μm. Repeat 2 times a day for 2 to 4 weeks (up to 8 weeks in severe cases) until the signs of illness resolve.

Nasal and Sinus Flushing:
To remove accumulated mucous and inflammatory material in the upper respiratory tract, syringe into the nasal and sinus cavities (consisting of the external nares, operculum, nasal concha, infraorbital sinus and choanal slit) with the animal’s head down and mouth open to avoid aspiration and allow drainage out of the oral cavity. This treatment should be repeated daily for 10-14 days until the signs of illness resolve.

Surface Wounds:
For wound irrigation flush as necessary. For skin decontamination apply to the wound and allow to dry.

Contraindications:
Do not use with soaps or other chemicals

Warnings:
Not for use in humans. Keep out of reach of children. If accidentally ingested, do not induce vomiting. Give milk or water to drink. If accidental eye contact, hold eye open and rinse with water for 10 minutes. Seek medical help if necessary.

Effectiveness:
The active ingredients Benzalkonium chloride and Polyhexanide act on the cell membrane causing it to rupture, resulting in the loss of essential cell components. Additionally, non-toxic ampholytic surfactants and sequesterants in the drug formulation aid in the penetration of the cell or spore wall. Examples of clinical cases successfully treated with F10® brand Antiseptic Solution include upper respiratory tract disease associated with Pseudomonas spp. and Aspergillus spp. in birds, upper respiratory tract disease associated with Pasteurella spp., Pseudomonas spp., Aspergillus spp. and Mycoplasma spp. in small mammals, acute pneumonia and aspires pneumonia in neonatal mammals, and upper and lower respiratory tract disease associated with Proteus mirabilis, Pseudomonas aeruginosa, Aeronemus spp. and Mycoplasma spp. in reptiles. All resulted in positive outcomes.

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http://www.fda.gov/AnimalVeterinary/SafetyHealth

Caution: For External Animal Use Only

This product is not to be used in animals intended for use as food for humans or other animals. Use of this product is prohibited in dogs, cats, and horses and in food-producing species such as cattle, pigs, chickens, turkeys, rabbits, deer, ducks, pigeons, and turtles.

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