



F10
PRODUCTS

The genera involved are *Microsporium* spp. and *Trichophyton* spp. At the concentration in the product F10 GERMICIDAL BARRIER OINTMENT it was found to be effective in a contact time of 10 minutes however repeated applications re-applied every day until the condition clears is the recommended treatment protocol.

INSECTICIDAL ACTION

The insecticidal action is based upon cypermethrin (a pyrethroid) and aided by piperonyl butoxide. In the testing phases the indicator species used was *Lucilia cuprina*, a commonly occurring **blow fly** species. As soon as the larvae were sprayed they immediately began to migrate from the test site and within 30 minutes were dead. Other tests on *L. cuprina* **eggs** resulted in a 100% kill. The product was equally effective against **adult flies** and showed a 77% kill in 15 minutes rising to 100% within 30 minutes. Cypermethrin is a broad spectrum insecticide and is effective against other insects, e.g. **biting flies, fleas, mosquitoes, and ticks**.

RESIDUAL ACTION (of insecticide product)

Residual action tests showed the product was 100% effective after 5 days. Extended field trials demonstrated that the residual action extended well beyond 2 weeks. The product is water soluble and should be re-applied if the animal has been washed or exposed to heavy rain

DOSAGE AND DIRECTIONS FOR USE

- Use only as directed
- Remove all organic material and clean the wound Using a concentration of 1:250 of F10SC Veterinary Disinfectant or F10 Antiseptic Solution (Concentrate). Once a day apply a layer of F10 GERMICIDAL BARRIER OINTMENT or F10 GERMICIDAL BARRIER OINTMENT WITH INSECTICIDE over the total wound site. Repeat daily or as directed by the veterinarian taking care to repeat the cleaning procedure before each application. Re-occurring conditions should be treated in conjunction with a complete treatment plan, including antibiotics, as directed by the veterinarian.
- A recommended infection control programme for use in cases of contagious skin infections is shown overleaf
- **Replace cap after use**

TOXICOLOGY

Acute toxicity studies were carried out in accordance with the test requirements as specified by the EPA. All studies were subject to an independent GLP compliance audit.

Toxicity Test	F10 Germicidal Barrier Ointment	F10 Germicidal Barrier Ointment with Insecticide
Acute Oral Toxicity (rats) OPPTS 870.1100	More than 5000mg/kg – EPA Category IV	2000 to 5000mg/kg – EPA Category III
Acute Dermal Toxicity (rats) OPPTS 870.1200	More than 5000mg/kg. EPA Category IV	More than 5000mg/kg – EPA Category IV
Acute Dermal Irritation (guinea pigs) OPPTS 870.2500	No dermal irritation – EPA Category IV	Very slight erythema (grade 1) for a few hrs but reversible within 24 hrs – EPA Category IV



Health and Hygiene



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PROPRIETARY NAME AND DOSAGE FORM

F10 GERMICIDAL BARRIER OINTMENT (Semi-solid ointment)
Registration No.: Act 36/1947 G3108, APVMA 58544, SAES EU Directive 2001/82/EC (art 4.2) and FDA MUMS Index, MIF 900-009

F10 GERMICIDAL BARRIER OINTMENT WITH INSECTICIDE (Semi-solid ointment) Registration No.: Act 36/1947 G4048, SAES EU Directive 2001/82/EC (art 4.2) and FDA MUMS Index, MIF 900-011

COMPOSITION

Benzalkonium chloride..... 0.40g/100g
Polyhexanide..... 0.03g/100g
Glycol 83.50g/100g
Lanolin 4.00g/100g
Non toxic excipients to balance

Insecticide Additions

Cypermethrin 0.25g/100g
Piperonyl Butoxide 1.25g/100g

APPLICATION

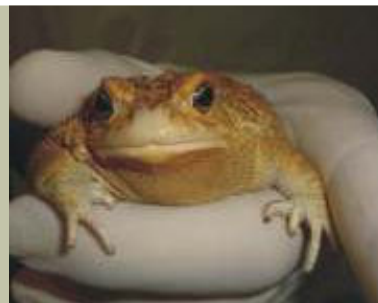


Figure 1.
Guttural toad with rostral abrasions. Treated with application of F10 Germicidal Barrier Ointment every second day.

INDICATIONS

An antiseptic preparation effective against bacteria, fungi and viruses to treat open and contaminated wounds and to prevent re-infestation. Also available with long lasting insecticide to repel insects and eliminate fly strike infestations.

ANTIMICROBIAL ACTION

The antimicrobial action of the preparation is based upon the proprietary branded F10 compound. The mechanism of action of F10 is derived from those of each component taken separately, in addition to those due to the additive synergistic action of all components combined. At the concentrations in the product F10 has been assessed as giving a $> \log^5$ reduction in microbial counts against gram positive and gram negative bacteria; fungi, yeasts and moulds; enveloped and non-enveloped viruses; bacterial and fungal spores. The group of keratinophilic fungi is very large, but only two genera, known as dermatophytes, are known to cause disease ("ringworm") in animals.

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**WOUND
MANAGEMENT**

F10[®]

**Germicidal
Barrier
Ointment**

**LONG ACTING ANTISEPTIC
BARRIER OINTMENT TO
TREAT OPEN AND
CONTAMINATED WOUNDS,
ALSO WITH INSECTICIDE
TO REPEL INSECTS AND
ELIMINATE FLY STRIKE
INFESTATIONS**

F10[®]

**Germicidal
Barrier
Ointment
with Insecticide**

Get the best for your best friends!



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Health and Hygiene

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Manufactured by:
Health and Hygiene (Pty) Ltd in accordance with GMP
 License no.M7294 APVMA, SABS permit no.6656/99863



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RECOMMENDATION FOR USE IN CASES OF CONTAGIOUS SKIN INFECTIONS

APPLICATION	FREQUENCY	DILUTION /10 LITRES	MINIMUM EXPOSURE
HOUSING			
Isolate all diagnosed and visibly infected animals immediately. Infected puppies must be isolated with the mother.			
Remove all bedding and equipment (e.g. toys, brushes, water and feed bowls) from cages, floors.			
Soak bedding and equipment in F10SC or F10SCXD before washing. Hang to dry / tumble dry.	Daily	100 ml	15 min
Wash water and feed bowls with warm water and F10SCXD, spray with F10SC and leave to dry.	Daily	100 ml	Leave to dry
Wash all surfaces (work benches, floors, tables, walls, tiles) with F10SCXD.	Daily	100 ml	Leave to dry
STAFF			
Handling of animals should be limited and involve as few people as possible.			
Staff movement must be restricted to designated areas.			
Infected animals and areas should be handled last to avoid cross-contamination.			
Protective clothing should be worn and discarded or washed and disinfected with F10SC or F10SCXD daily.	Daily	100 ml	Soak 15 min, hang to dry
Proper hand decontamination (running water, F10 Antiseptic Liquid Soap and paper towel to dry or use F10 Hand Gel) must be done after any animals or possibly infected material such as bedding had been handled.	In between handling animals	4 ml as is	30 sec
GENERAL			
Grass should be kept short and exposed to as much sun as possible.			
Carrier boxes must be washed (F10SCXD) and disinfected (F10SC) after every use and left to dry.	After every use	100 ml	Leave to dry
All cleaning equipment (mops, cloths, brushes) must be washed with F10SCXD and disinfected with F10SC at the end of each day.	At the end of each shift	100ml	Hang to dry
ANIMAL TREATMENT			
Wash ALL animals immediately with F10 Germicidal Treatment Shampoo to prevent the disease from spreading.		As is	Leave 15 min rinse
Repeat for up to 3 treatments on every other day on infected animals and once a week on non-infected animals.		As is	Leave 15 min rinse
Apply F10 Germicidal Barrier Ointment to affected lesions once daily. Remove all organic material and ointment using an approved irrigating solution before re-applying the ointment.	Every other day or as prescribed by veterinarian	As is	Leave to dry



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Toxicity Test	F10 Germicidal Barrier Ointment	F10 Germicidal Barrier Ointment with Insecticide
Acute Eye Irritation (rabbits) 870.2400	No eye irritation –EPA Category IV	After 24hrs contact the cornea and iris showed no reaction. The nictitating membranes were graded 1 after 1 hour and were reversible after 72hrs – EPA Category IV
Skin Sensitisation (guinea pigs) Opts 870.2600	No skin sensitization	No skin sensitization

APPLICATION



Figure 2.
 Blue duiker with fractured horn. After removal of broken horn, cleaning, debridement and haemostasis, F10 Germicidal Barrier Ointment with Insecticide was applied to the area

STABILITY

Shelf life of 4 years

PRECAUTIONS

- **Ingestion:** DO NOT induce vomiting. Give milk or water to drink.
- **Eye contact:** Rinse eyes with water, seek medical advice if necessary.

WARNINGS

- Do not mix with soaps and other chemicals.
- Avoid contact with eyes.
- Keep out of reach of children, uninformed persons and pets.
- Although this remedy has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.
- Do not use the with insecticide product on domestic cats. ☹
- Cypermethrin is dangerous to fish or aquatic life. Do not contaminate aquaria, fish bowls, ponds or waterways with the insecticidal product.

IDENTIFICATION

F10 GERMICIDAL BARRIER OINTMENT
 Semi-solid opaque ointment with a slight natural odour
F10 GERMICIDAL BARRIER OINTMENT WITH INSECTICIDE
 Semi-solid opaque ointment with a pale pink colouring

PRESENTATION

As a semi-solid ointment in 25g tubes, 100g and 500g pots

STORAGE INSTRUCTIONS

Store below 30°C in dry conditions