

**DOSAGE AND DIRECTIONS FOR USE****Use only as directed.**

It is good practice to wear gloves and an eye mask during application.

Clear away debris and lightly spray over the site and leave to dry. Depending upon the porosity of the surface it may be necessary to apply up to 3 coats to create long acting effectiveness. Thereafter apply an additional coat weekly or as necessary.

**PRECAUTIONS****Wear gloves and an eye mask during use.**

**Ingestion:** DO NOT induce vomiting. Give milk or water to drink.

**Eye contact:** Rinse eyes with water. Seek medical advice if necessary.

**Avoid breathing the spray mist.**

**WARNINGS**

- DO NOT MIX WITH OTHER CHEMICALS.
- AVOID CONTACT WITH EYES.
- Keep out of reach of children, uniformed persons and pets.
- Avoid contact with domestic cats. 🚫
- Although this product have been extensively tested under a large variety of conditions, failure there of may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.
- Flammable, keep away from naked flames when spraying.
- Cypermethrin is dangerous to fish or aquatic life. Do not contaminate aquaria, fish bowls, ponds or waterways with the insecticidal product.

**PRESENTATION**

HPE bottles 500ml

**IDENTIFICATION**

Opaque white liquid.

**STORAGE INSTRUCTIONS**

Store below 30° C in dry conditions and away from direct sun.

**MANUFACTURED BY**

Health and Hygiene (Pty) Ltd in accordance with GMP (Good Manufacturing Practice) and SABS permit 6656/99863



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**A non-toxic spray which combines effectiveness against bacteria, fungi, viruses and spores with an outstanding capacity and residual effect to repel and kill insects**

**GET THE BEST FOR YOUR BEST FRIENDS!**

# F10<sup>®</sup> Insecticide Surface Spray



## F10 INSECTICIDE SURFACE SPRAY

(Liquid, use as is, 500ml)

Reg. No. HSE No. 9362

### COMPOSITION

Quaternary ammonium and biguanide compound.....0,116%  
 Non toxic ampholytic surfactants and sequesterants.....7,81%  
 Cypermethrin.....0,25%  
 Non-toxic excipients and water .....to balance

### INDICATIONS

A long acting biocide and insecticide combination to disinfect and repel insects on hard surfaces and enclosed spaces. Good residual effectiveness was also

demonstrated across the disinfecting and insecticidal spectrums. It is virtually non-toxic and non-irritating making it animal safe.

### ANTIMICROBIAL ACTION

The antimicrobial action is based upon the core actives of the F10 compound used in other F10 antiseptic and disinfectant products. At the concentrations in the product F10 has been assessed as giving a  $> \log^5$  (100,000 times) reduction in microbial counts against gram positive and gram negative bacteria, fungi, yeast and moulds. F10 has proven viricidal effectiveness against both enveloped and non-enveloped viruses.

### INSECTICIDAL ACTION

The insecticidal action is based upon cypermethrin (a pyrethroid). In the testing phases the indicator species used was the blow fly (*Lucilia cuprina*). 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, midges, mosquitoes and ticks.

### RESIDUAL ACTION

Laboratory test showed the product was 100% effective at 5 days however during field trials which extended over two summer rainfall seasons residual action in some applications extended well beyond 2 weeks.

The product is water soluble and can be rinsed clear with water or alternatively will need repeat applications when exposed to rain water.

### TOXICOLOGY

- Acute oral toxicity -  $> 2000$  to  $5000$ mg/kg
- Acute dermal toxicity -  $> 5000$ mg/kg
- Acute dermal irritation - very slight erythema (grade 1) for a few hours but reversible within 24 hrs
- Acute eye irritation - after 24 hrs contact the cornea and iris showed no reaction. The eyelids and nictating membranes were graded 1 after 1 hour and were reversible after 72 hrs.
- Acute skin sensitisation - no sensitisation
- Acute inhalation toxicity - LC 50  $> 2$ mg/liter

### STABILITY

Repeat efficiency tests and clinical analysis confirm a shelf life in excess of 3 years.

