



## Permeth 22 E®

A liquid adulticide insecticide with a high knockdown rate and prolonged residual activity. For use in public hygiene, food storage, agricultural premises and stables.

**Permethrin 11.37% w/w (117.1 g/L) + tetramethrin 1.64% w/w (16.9 g/L)  
+ PBO 6.40% w/w (65.9 g/L)**

### What is Permeth 22 E®?

Permeth 22 E® is a water-based microemulsion insecticide containing the active ingredients permethrin and tetramethrin, along with the synergist piperonyl butoxide (PBO). This water-based formulation is suitable for use in a wide range of environments.

### Benefits of Permeth 22 E®:

- Broad-spectrum insect control
- Approved for use in a wide range of environments
- Residual control – reducing call-backs
- Rapid knockdown – fast visible results
- Enhanced performance on difficult surfaces
- Low mammalian toxicity
- Measuring bottle – ensuring optimum operator safety
- Non-staining
- Minimal odour

### Application Environments:

- Domestic premises
- Commercial buildings
- Industrial premises
- Kitchens
- Hospitals (excluding occupied wards)
- Military establishments
- Food storage and preparation areas
- Bulk milk-rooms
- Dairies
- Milking parlours
- Animal rearing facilities
- Animal and avian houses
- Farm buildings

***Not suitable for direct application to animals.***

### Active Ingredients:

Permethrin 11.37% w/w (117.1 g/L) + tetramethrin 1.64% w/w (16.9 g/L) + PBO 6.40% w/w (65.9 g/L)

### Mode of Action:

**Permethrin:** Residual pyrethroid insecticide with contact and stomach action.

**Tetramethrin:** Non-residual pyrethroid insecticide with rapid knockdown action.

**PBO:** Inhibits the natural defence mechanisms of the insect.

### Target Pests:

- Mosquitoes
- Flies
- Wasps
- Fleas
- Chironomids
- Dermestidae
- Lasiodermas
- Black flies
- Moths
- Cockroaches
- Ants
- Silverfish
- Flour beetles



### Formulation

#### What is a microemulsion?

Microemulsion formulations consist of an active ingredient combined with surfactant and solvent to form an emulsion when added to water. Mixing easily with water, microemulsions form a stable solution for application.

### How Does Permethrin 22 E® Work?

Permethrin 22 E® is a water-based concentrated microemulsion which can be sprayed and fogged for rapid control of heavy insect infestations. The product contains two synthetic pyrethroids, permethrin and tetramethrin, along with the synergist piperonyl butoxide (PBO). These ingredients ensure a rapid knockdown effect as well as prolonged residual activity, with PBO optimising the killing effect of the pyrethroids resulting in an instant, visible reduction in insect pests upon application. Permethrin 22 E® is effective against a range of crawling and flying insects and is suitable for domestic use. This formulation is approved for professional use only.

### Application Recommendations:

Surface and space spray, spot, crack and crevice treatment

|               | Rate  | Water | Area                     |
|---------------|---|-------|--------------------------|
| Surface spray | Light infestation – 30 ml<br>Heavy infestation – 100 ml | 10 L  | 100 - 150 m <sup>2</sup> |

Spray all infested areas, giving special attention to cracks, crevices, dead spaces and harbourages. The product is suitable for application on to hard porous, soft porous and non-porous surfaces.

*Use biocides safely. Always read the label and product information before use.*

# Hockley International

## Permost CS

Contains:  
permethrin 25%



## Permex 22 E®

Contains:  
permethrin 12.36%,  
+ tetramethrin 1.64%  
+ PBO 6.40%



## Piretrox™

Contains:  
natural  
pyrethrum 1.25%



## Permost Uni Fly Spray

Contains:  
permethrin 0.25%  
+ tetramethrin 0.1%  
+ PBO 0.3%



## Tetrapiu

Contains:  
permethrin 0.15%  
+ tetramethrin 0.06%  
+ PBO 0.3%



## Piretrox™ PU

Contains:  
natural  
pyrethrum 0.3%  
+ PBO 3%



## Py-Pro Super

Contains:  
natural  
pyrethrum 0.3%  
+ PBO 3%



## SoFast

Contains:  
imidacloprid 0.5%  
+ (z)-9-tricosene



## HokoEx®

Contains:  
cyromazine 2%



To discuss our range of products, please call: **+44 (0)161 209 7400** or email: **mail@hockley.co.uk**

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