

Technical Bulletin



Microcare® 3% CS

Controlled Release Insecticide

Microcare® 3% CS Controlled Release Insecticide contains botanically based pyrethrins synergized with piperonyl butoxide (PBO), to deliver fast-acting and residual control of flying and crawling insects. Its SmartCap microencapsulation technology forms a protective shell around the active ingredient, enhancing residual performance and helping shield it from UV exposure, weathering, porous and greasy surfaces, and absorption into soil or organic matter.

Features and Benefits

- Fast knockdown and residual control
- Formulated with a 1:5 pyrethrins to piperonyl butoxide (PBO) ratio to combat resistance and increase effectiveness
- Water-based microemulsion specifically designed to stay in water solution without agitation
- No withholding time periods for use before animal processing
- Low phytotoxicity



Scan the QR code or visit mgk.com/microcare-3-cs-controlled-release to see resources and additional information.

Product Specifications

Key Target Pest(s)	Flies, cockroaches, mosquitoes and stored product pests
Signal Word	Caution
Form	Concentrate
Active Ingredient(s)	Pyrethrins; Piperonyl butoxide (PBO)
Class of Chemistry	Pyrethrins (3A); Synergist
Activity	Knockdown, residual
Mode of Action	Sodium channel modulator
Stability	Avoid freezing, but if frozen, thaw and shake before use
Flammability	Not listed as flammable or combustible
Odor	Mild
PPE Requirements	Long pants, long sleeves, shoes and socks
Retreat Interval	1 day
Mix or Dilute In	Water only
Shelf Life	2 years or more in ideal storage conditions

Use Sites

Indoor and Outdoor Areas

- Residential homes
- Commercial buildings
- Food and non-food areas
- Trees, lawns, landscape, turf

Outdoor Areas

- Livestock housing
- Poultry housing
- On and over animal

Residential Misting Systems

Packaging

- 1 gallon bottle (2 per case)

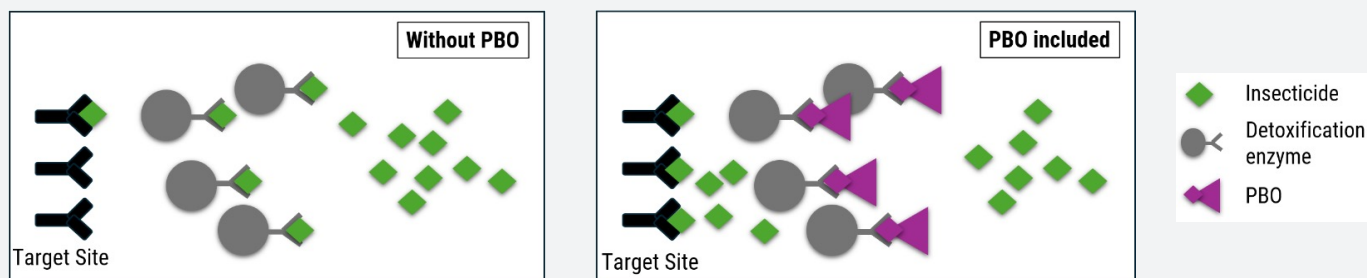


Application Methods

- Crack and crevice
- Direct spray
- Foam application
- Spot treatment
- Surface spray
- Void treatment

Recommended Equipment

- Compressed air sprayer
- Hose-end sprayer
- Hydraulic sprayer
- Power sprayer
- Void injection equipment
- Ultra-low volume (ULV) equipment

Piperonyl Butoxide (PBO) Enhances Insecticide Efficacy

To have a lethal effect, the active ingredient in an insecticide needs to reach its target site within the insect. Resistant insects commonly have a heightened defense mechanism, cytochrome P450 enzymes, that attack insecticides. PBO binds to these detoxification enzymes, allowing the insecticide to reach its target site and work more effectively.

MGK Sustainability in Action

- Water-based, non-flammable formulation concentrated to reduce transportation carbon emissions
- Gallon container and totes are HDPE and 100% recyclable
- Shipping cartons and paper labels are sourced from Sustainably Managed Forests
- Formulated in a production facility that uses 100% renewable energy

Always read and follow all label instructions. For any medical or safety questions, concerns or incident reports, call 1.888.740.8712.

EPA Registration Number: 1021-2839

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