

Technical Bulletin



Onslaught®
MICROENCAPSULATED INSECTICIDE

Onslaught® Microencapsulated Insecticide uses controlled-release technology that delivers long-lasting residual control for a broad spectrum of insects.

Features and Benefits

- Kills over 100 insects, including mosquitoes that may transmit Zika virus
- Controls German cockroaches for up to 12 months*
- Flexible application methods, including indoor and outdoor broadcast use
- Matches the rain fastness of leading competitors

*Indoor, unsealed concrete and/or cement surfaces only

Product Specifications

Key Target Pest(s)	Ants, cockroaches, darkling beetles, fleas, flies, mosquitoes, scorpions, spiders and wasps
Signal Word	Caution
Form	Concentrate
Active Ingredient(s)	Esfenvalerate
Class of Chemistry	Pyrethroid (3A)
Activity	Residual
Mode of Action	Sodium channel modulator
Stability	If frozen, thaw and shake before use
Flammability	Not listed as flammable or combustible
Odor	Sweet
PPE Requirements	Protective eyewear (goggles, face shield or safety glasses with side shields)
Retreat Interval	7 days (indoors, outdoor ornamentals and landscaping); 14 days (food handling/processing establishments)
Mix or Dilute In	Water only
Shelf Life	3 years or more in ideal storage conditions



Scan the QR code or visit
mgk.com/onslaught-microencapsulated
to see resources and
additional information.

Use Sites

Indoor and Outdoor Areas

- Residential homes
- Commercial buildings
- Food and non-food areas
- Lawn and turf
- Ornamentals and landscaping

Livestock Areas

- Livestock housing
- Poultry housing

Apply when animals are not present

Packaging

- 1 pint bottle (6 per case)
- 1 gallon bottle (2 per case)
- 30-gallon drum



Application Methods

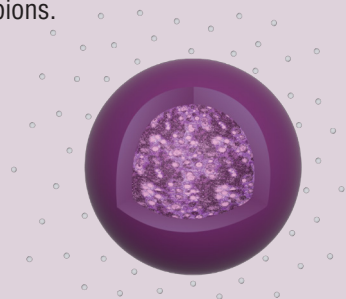
- Broadcast (indoor and outdoor)
- Foliar sprays
- Structural perimeter treatments
- Surface sprays
- Spot treatment
- Crack and crevice
- Void injection

Recommended Equipment

- Handheld or backpack sprayers
- Backpack mist blowers
- Mist sprayers
- Power sprayers
- Low volume injector equipment

Microencapsulation Technology

Onslaught microcaps have a semi-permeable shell with a spongy interior that allows the active ingredient to be released over time for long-lasting residual control. Both the residual active ingredient and the microcaps can be picked up by the pest. The distribution of microcap sizes helps target a broad spectrum of pests, from ants and mosquitoes to scorpions.



Mix Rates

Refer to the label for all mix rates on specific insects and use instructions.

Application Site	Key Target Pests	Dilution Rate	Application Method
Outdoor Use			
Mosquito habitats	Mosquitoes	0.5 fl. oz. per gallon or in sufficient water to cover 1,000 sq. ft.	Broadcast spray, foliar, spot
Lawn and turf, Ornamentals, landscaping	Ants, fleas, ticks	0.1 - 1 fl. oz. per gallon or in sufficient water to cover 1,000 sq. ft.	Broadcast spray, foliar, spot
Nests and harborage areas of listed stinging insects	Hornets, wasps, yellowjackets	1 fl. oz. per gallon or in sufficient water to cover 1,000 sq. ft.	Spot, crack and crevice
Exterior structures	Ants, boxelder bugs, darkling beetles, flies, spiders	0.5 - 1 fl. oz. per gallon or in sufficient water to cover 1,000 sq. ft.	General surface spray, spot, crack and crevice
Indoor Use			
Food and nonfood areas	Ants, bed bugs, cockroaches, fleas, darkling beetles, flies and stored product pests	0.5 - 1 fl. oz. per gallon	Broadcast surface spray, spot, crack and crevice, wall void injection

MGK Sustainability in Action

- Water-based, non-flammable formulation concentrated to reduce transportation carbon emissions
- Container is 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
- Tip and measure bottle helps applicators use lowest effective quantity, thus reducing waste

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: 1021-1815

Toll Free: 800.645.6466 | Tel: 763.544.0341 | Fax: 763.544.6437

7325 Aspen Ln N, Minneapolis, MN 55428 | [MGK.com](https://www.mgk.com)

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