

Technical Bulletin



ULD® BP-100 Contact Insecticide II

ULD® BP-100 Contact Insecticide II is a versatile, oil-based fogging concentrate containing synergized pyrethrins to control a broad spectrum of insects.

Features and Benefits

- Controls over 70 insects including flies, lice and cockroaches
- No withholding time periods for use before animal processing
- Authorized for use in federally inspected meat and poultry plants
- Formulated with a 1:5 pyrethrins to piperonyl butoxide (PBO) ratio to combat resistance and increase effectiveness

Product Specifications

Key Target Pest(s)	Cockroaches, flies, stored product pests
Signal Word	Caution
Form	Concentrate
Active Ingredient(s)	Pyrethrins; Piperonyl butoxide (PBO)
Class of Chemistry	Pyrethrins (3A); Synergist
Activity	Kills by contact
Mode of Action	Sodium channel modulator; Interference with P-450 mediated detoxification system
Stability	If frozen, thaw and shake before use
Flammability	Not listed as flammable or combustible
Odor	Solvent
PPE Requirements	Long pants, long sleeves, shoes and socks, chemical resistant gloves, respirator (enclosed spaces)
Retreat Interval	1 day
Mix or Dilute In	Oil (optional)
Shelf Life	3 years or more in ideal storage conditions



Scan the QR code or visit
mgk.com/uld-bp-100
to see resources and
additional information.

Use Sites

Indoor and Outdoor Areas

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

Livestock Areas

- On and over animals
- Livestock housing
- Poultry housing

Automatic Misting Systems

Packaging

- 1 gallon bottle (4 per case)
- 55 gallon drum



Application Methods

- Space spray
- Spot treatment
- Crack and crevice
- Direct spray
- Void injection

Recommended Equipment

- Mechanical aerosol generators
- Ultra-low-volume (ULV) generators
- Backpack mist blower
- Thermal and conventional foggers
- Handheld sprayers

Mix Rates

- ULD BP-100 can be applied undiluted or diluted with an appropriate white mineral or paraffinic oil according to the dilution chart below:

Pyrethrin % Desired	Mixture Rate	Application Rate per 1,000 cu. ft.
0.5	1 part concentrate to 1 part oil	1 fl. oz.
0.3	3 part concentrate to 7 part oil	1-2 fl. oz.
0.15	3 part concentrate to 17 part oil	1-2 fl. oz.

Benefits of Oil-Based Fogging Concentrates From the MGK Technical Department

- Produce a denser fog with longer suspension time than water-based concentrates, improving overall coverage.
- Oil-based formulation promotes better adhesion to animal hides and feathers, as observed in livestock and poultry environments.

MGK Sustainability in Action

- Formulated with botanical active ingredient from Pyrethrum flowers
- Container is HDPE and 100% recyclable
- Formulated in a production facility that uses 100% renewable energy
- Responsibly sourced ingredients, like pyrethrum from Tanzania, supports long-term prosperity for smallholder farmers and drives economic growth in their communities

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: 1021-2838

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