Technical Bulletin



ULD® BP-300
Contact Insecticide II

ULD® BP-300 Contact Insecticide II is an oil-based concentrate formulated with botanically derived pyrethrins (Group 3A) and PBO synergist. With three times the pyrethrin concentration of ULD® BP-100, BP-300 provides broad-spectrum contact control of listed pests. Labeled for indoor and outdoor use across residential, commercial, food-handling and livestock environments, BP-300 supports multiple application methods, including space sprays, direct sprays and crack-and-crevice treatments.

Features and Benefits

- Contains 3% botanically derived pyrethrins and 15% PBO
- Kills 60+ listed pests, including flying and crawling insects
- Offers flexible dilution rates to accommodate different treatment needs
- Can be applied directly to certain livestock or as a space treatment over animals according to label directions
- Labeled for use in federally inspected meat and poultry facilities

Scan the QR code or visit mgk.com to see resources and additional information.

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	2 years or more in ideal storage conditions

Use Sites

Indoor and Outdoor Areas

- Residential homes
- Commercial buildings
- Food and non-food areas
- Open areas near buildings and in campgrounds

Livestock Areas

- On and over animals
- Livestock housing
- Poultry housing
- Indoor misting systems

Automatic Misting Systems

Packaging

- 1 gallon bottle

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Application Methods

- Space Spray
- Spot Treatment
- Crack & Crevice Treatment
- Void Treatment

Recommended Equipment

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

Mix Rates

- ULD BP-300 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.
1.00	1 part concentrate to 2 parts oil	1-2 fl. oz.
0.50	1 part concentrate to 5 parts oil	1-2 fl. oz.
0.30	1 part concentrate to 9 parts oil	1-2 fl. oz.
0.15	1 part concentrate to 19 parts oil	1-2 fl. oz.

Tips and Tricks from the MGK Technical Services Team

- Oil-Based Formulation: Oil-based fogging concentrates can produce a denser fog with longer suspension times than water-based formulations, helping improve coverage in treated areas.
- Resistance Management: Incorporate ULD® BP-300 into an insecticide rotation program with products from different modes of action to help manage insecticide resistance. Select rotation partners based on the target pest and labeled use site.

MGK Sustainability in Action

- Formulated with botanical active ingredient from Pyrethrum flowers
- 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
- 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.

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