

499-514

08/15/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms. Dana Thomas
Whitmire Micro-Gen Research Laboratories Inc.
3568 Tree Court Industrial Blvd.
St. Louis, MO 63122-6682

AUG 15 2013

Dear Ms. Thomas:

Subject: Amendment: Revise per Agency letter dated January 10, 2013 regarding pyrethroids
TC 264
EPA Reg. No. 499-514
Your submission dated May 17, 2013

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10), or durably marked on the container itself.

If you have any questions regarding this letter, please contact Dana Pilitt, PhD of my staff at (703) 305-7071 or via e-mail at pilitt.dana@epa.gov.

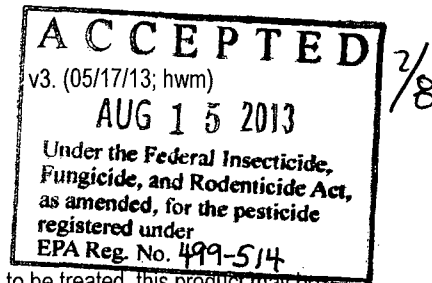
Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken
Product Manager 10
Insecticide Branch
Registration Division (7505P)

499-514 D 479402

TC 264



[ALTERNATE BRAND NAME: ULD® BP-100 Contact Insecticide II] {added via Notification 12/13/12}

For indoor or outdoor application as a direct, space, area or contact spray. Dependent upon the insects and areas to be treated, this product may be applied through mechanical aerosol (non-metered) or ultra-low volume (ULV) generators, as well as thermal and conventional fogging or spraying equipment.

KILLS: Ants (excluding Harvester & Pharaoh), Bed Bugs, Cockroaches, Fleas, Flies, Scorpions, Spiders, Stored Product Pests (Beetles, Mites, Moths) and Ticks

FOR USE IN: Commercial (including Food Handling Establishments, Food Service, Storage, Preparation and Processing Areas), Institutional and Residential Areas

See inside booklet for additional insects and use sites.

ACTIVE INGREDIENTS:

Pyrethrins*, a botanical insecticide.....	1.0%
Piperonyl butoxide **	5.0%

OTHER INGREDIENTS:	94.0%
Contains Petroleum Distillate	TOTAL: 100.0%

* 1 gallon contains 0.066 lb of pyrethrins and 0.33 lb piperonyl butoxide

** (butylcarbityl)(6-propylpiperonyl) ether and related compounds.

KEEP OUT OF REACH OF CHILDREN CAUTION

See back panel/inside booklet for First Aid, Precautionary Statements Directions for Use and Storage and Disposal.

EPA Reg. No. 499-514 • EPA Est. No. 7969-MO-1

ULTRA LOW DOSAGE THROUGH MICRON GENERATION

FIRST AID

IF IN EYES: Hold eyes open and rinse slowly and gently with water for 15 – 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 min. Call a poison control center for doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-832-HELP, 24 hr a day, 7 days a week.

NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Personal Protective Equipment (PPE): Mixers, loaders, applicators and other handlers must wear the following: Long-sleeve shirt, long pants, shoes and socks, and chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber or Viton.

- In addition to the above PPE, applicators using a high pressure hand wand in an enclosed area must wear at least a NIOSH-approved respirator with: a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or Any R, P, or HE filter.
- In addition to the above PPE, applicators fogging this product (applying as a space spray) in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with: a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a cartridge or canister with any R, P or HE filter.

USER SAFETY REQUIREMENTS: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

TERRESTRIAL APPLICATIONS: This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hr will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run-off to water bodies or drainage systems

FOR CONTAINERS \geq 5 GALLONS: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not apply this product around electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not apply more than 1 time/day.
- Only protected applicators may be in treatment area during application.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Do not remain in treated area. Exit area immediately and do not enter or allow others to enter treated area until sprays have dried, until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Remove pets, birds and cover fish aquariums before spraying.
- When used as a direct or space spray, do not enter or allow others to enter until sprays have dried.
- For space sprays:
 - Do not allow adults, children or pets to enter the treated area for at least 15 min, until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
 - Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosol, vapors and/or mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
- Remove or cover exposed food and drinking water, in the treatment area, before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, in the treatment area, or wash them before use.
- Do not apply as a space spray in residences.
- For space spray applications in food handling and processing facilities:
 - Do not make applications when facility is in operation.
 - Cover or remove food, in the treatment area, prior to space spray applications.
 - Cover food processing surfaces, in the treatment area, or clean after treatment and before use.
- Except when applying to sewers or drains as instructed on this label, do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- Do not apply this product in hospital rooms while occupied or in any rooms occupied by the elderly or infirm. Remove patients from room prior to treatment and thoroughly ventilate (2 hr) after application. Do not return patients to room until after ventilation.
- Do not use in patient rooms in hospitals and nursing homes for treatment of bed bugs.
- Do not apply to classrooms when in use.
- Do not use in aircraft cabins.
- Do not make outdoor applications during rain.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways and patios except as a spot or Crack & Crevice treatment. During application, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.
- All outdoor applications, if permitted elsewhere on this label, must be limited to spot or Crack & Crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label:
 1. Applications to soil or vegetation, as listed on this label, around structures;

- 2. Applications to lawns, turf and other vegetation, as listed on this label;
 - 3. Applications to the side of a building, up to a maximum height of 3 ft above grade;
 - 4. Applications to underside of eaves, soffits, doors or windows permanently protected from rainfall by a covering, overhang, awning or other structure;
 - 5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed 1" in width;
 - 6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutter or surface waters, in order to control occasional invaders or aggregating pests.
- Not for use in outdoor residential misting systems.

PRODUCT INFORMATION

Note: Some furniture finishes, particularly plastics, can be damaged by petroleum based insecticides. To avoid damage, cover those items and do not spray directly. If in doubt, test by applying this material to an inconspicuous area before spraying.

USE IN FOOD HANDLING ESTABLISHMENTS

Applications are permitted in food/feed areas of food/feed handling establishments as a contact spray, space spray or Crack & Crevice® treatment, including those operating under the Federal meat, poultry, shell egg grading and egg products inspection programs.

Food handling establishments are places other than private residences in which food is held, processed, prepared or served.

FOOD AREAS: Include areas for receiving, serving, storing (dry, cold, frozen, raw), packing (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups).

NON-FOOD AREAS: Include areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after canning or bottling).

Apply according to specific directions for pest(s) to be treated under the Indoor Use section below. Do not make space spray applications to food areas when the facility is in operation. Prior to space spray applications, remove or cover exposed food and drinking water in the treatment area. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, in the treatment area, or wash them before use.

INDOOR USE

SPACE SPRAY – FLYING INSECTS (Flies, Gnats): Use full strength or dilute as desired using the dilution chart below. Prior to treatment, open cabinets, doors and equipment to be treated; turn off air conditioners and fans, extinguish all flames and close windows in the area to be treated. Apply using a mechanical aerosol generator (no droplets > 50 microns in diameter and 80% < 30 microns). Apply undiluted at a rate of approx. 1 fl oz/1,000 ft³ of room space, or apply diluted at the rate of 1 – 2 fl oz/1,000 ft³ of room space. In commercial operations, subtract the space occupied by stored product or equipment from the cubic footage. Disperse toward areas suspected of harboring the greatest infestations of listed pests. Disperse in all locations (including around equipment, appliances and pallets, if desired) contacting as many insects as possible. Do not remain in treated areas after application. Keep area closed for at least 1 hr. Open and thoroughly ventilate treated areas before reoccupying. Do not apply as a space spray in residences.

DILUTION: Use a white mineral oil conforming to regulation 21 CFR 178.3620(b) or an odorless light petroleum hydrocarbon conforming to 21 CFR 172.882 or 40 CFR 180.910 (Inert ingredients used pre and post-harvest; exemptions from the requirement of a tolerance) and 180.930 (Inert ingredients applied to animals; exemptions from the requirement of a tolerance.) Combine oil and concentrate as directed below and mix well just prior to application.

Pyrethrin %Desired	Mixture Rate	Application Rate per 1,000 ft³
0.50	1 Part Conc. to 1 Part Oil	1 fl oz
0.30	3 Part Conc. to 7 Parts Oil	1 – 2 fl oz
0.15	3 Part Conc. to 17 Parts Oil	1 – 2 fl oz

SPACE SPRAY –CRAWLING INSECTS (Ants, Bed Bugs, Beetles, Earwigs, Cockroaches, Silverfish, Spiders): Use full strength. Prior to treatment, open cabinets, doors and equipment to be treated; turn off air conditioners and fans, extinguish all flames and close windows in the area to be treated. Apply as a space spray using a mechanical aerosol generator (no droplets >50 microns in diameter and 80% <30 microns) at a rate of approx. 1 fl oz/1,000 ft³ of room space. In commercial operations, subtract the space occupied by stored product or equipment from the cubic footage. Disperse toward areas suspected of harboring the greatest infestations of listed pests. Disperse in all locations (including around equipment, appliances and pallets, if desired) contacting as many insects as possible. Do not remain in treated area after application and leave area closed for 1 hr. Ventilate thoroughly before occupants are allowed to reenter. Do not apply as a space spray in residences.

DIRECT SPRAY OR VOID TREATMENTS: Use equipment designed space or mist treatments. Follow the manufacturer's recommendations for proper equipment set up and operation. Place the tip of the applicator at or into the crack or crevice or opening to the void. Apply in short bursts into area being treated. Apply 1 sec of product for every 3 ft³ of void area. **For Direct Spray,** apply the product in short bursts into the area where insects are to be contacted, such as corners of the room, behind and under furniture or other equipment. Apply from a distance of 18 - 24" away from the surface and allow the material to drift to area to be treated. The amount of product applied is not to exceed 0.33 fl oz /1,000 ft³. **For Bed Bugs:** Direct application into areas where bed bugs harbor. Do not direct this product at mattresses.

HANDTANK OR PINSTREAM APPLICATION: Direct application into cracks and crevices in elements of construction, walls, floors, underneath sinks, behind pipes and other places where insects harbor. For spot treatments, use a coarse, low-pressure spray. Limit individual spot treatments to

an area no larger than 20% of the surface area. Any individual spot treatment shall not exceed 2 ft². Contact as many insects as possible. Before making any application, ensure product will not stain surface or leave an unacceptable residue. The amount of product applied is not to exceed 0.33 fl oz/2 ft².

OUTDOOR USE

OUTDOOR GROUND FOGGING APPLICATION USING HAND HELD EQUIPMENT (Flies, Gnats): Use in open areas near buildings and in campgrounds. Use preferably at a time when temperature is cool ($\leq 75^{\circ}\text{F}$) and the wind velocity is approx. ≤ 5 mph. When using ULV equipment, apply at the rate of 4 fl oz/acre. Allow spray drift to penetrate dense foliage.

FOR USE ON DOMESTIC ANIMALS/LIVESTOCK

Use to protect beef cattle, dairy cattle and horses from horn flies, house flies and gnats, apply a light mist sufficient to wet the tips of the hair. To kill stable flies on beef cattle, dairy cattle and horses, apply 2 fl oz/adult animal, sufficient to wet the hair but not to soak the hide. To kill the motile stages of blood sucking lice on beef and dairy cattle, apply the spray to thoroughly wet the hair. Use 2 fl oz or less/animal and repeat every 2 – 3 weeks as required, but do not apply more than 1 time/day. **Do not use on dogs and cats.**

Space Treatment Over Animals in Barns and Corrals or in Indoor Misting Systems Used in Commercial Barns, Stables and Animal Quarters: Select proper dilution and treat with ULD equipment over animals, or apply through Indoor Misting Systems. **USE RESTRICTIONS FOR INDOOR MISTING SYSTEMS**

- Not for use in outdoor residential misting systems (indoor or outdoor). Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.
- Do not apply when food, feed and/or water is present.
- When using this product, installers and service technicians must comply with the license, certification or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed.
- When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.
- Direct nozzles to spray towards the target area and away from areas where people are typically present.
- Do not use in evaporative cooling system.
- Do not use in misters located within 3 ft of air vents, air conditioner units or windows.
- If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds ___ parts [product name] to ___ parts water.
- If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.
- This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.0033 lbs/1,000ft³ (no animals present).

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in secured, dry storage area. Do not store above 100°F for extended periods of time. Storage below 32°F may cause freezing. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site, in accordance with the label directions, or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container! Empty container by using the product according to the label directions. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

[(≤ 5 gal) Empty the remaining contents into application equipment or a mix tank and drain for 10 sec after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 sec. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 sec after the flow begins to drip. Repeat this procedure 2 more times.]

[(>5 gal) Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 sec. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure 2 more times.]

Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

In addition to sites listed previously, this product is acceptable for use in and around the following sites:

INDOOR:
Animal Areas & Quarters

Auditoriums
Bakeries

Beverage Plants
Boats

Bottling Plants
 Brandy Storage Warehouses
 Buildings
 Buses
 Cabins
 Canneries
 Cattle Barns
 Churches
 Closets
 Condominiums
 Communication Centers
 Correctional Facilities
 Dairy & Livestock Barns
 Dried Fruit Processing Plants
 Drains & Sewers
 Dried Fruit Warehouses
 Drugstores
 Dumpsters
 Dwellings
 Egg Processing Plants
 Factories
 Flour Mills
 Food Handling Establishments
 Food Processing Plants
 Freight Containers
 Fruit Packing Sheds
 Garbage Cans
 Garbage Compactors
 Grain Elevators
 Grain Mills
 Grain Handling Equipment
 Granaries
 Homes
 Horse Stables/Barns
 Hospices
 Industrial Installations
 Institutions
 Jails
 Laboratories

Libraries
 Livestock Barns
 Loafing Sheds
 Locker Rooms
 Mills
 Mausoleums
 Meat Packing Plants
 Milk Rooms
 Missions
 Mobile Homes
 Museums
 Mushroom Processing Plants
 Nursing Homes
 Offices
 Office Buildings
 Passenger Rail Cars
 Peanut Processing Plant
 Peanut Storage Warehouses
 Poultry Houses
 Poultry Processing Plants
 Prisons
 Public Buildings
 Rabbit Processing Plants
 Rabbit Houses
 Railroad Cars
 Recreational Vehicles
 Research Animal Areas
 Restaurants
 Restrooms
 Rice Mills
 Shade Houses
 Ships
 Shipholds
 Stables
 Stable Bins
 Stored Seed Warehouses
 Stores
 Supermarkets
 Swine Houses
 Textile Mills & Warehouses

Theaters
 Tobacco Plants
 Tobacco Warehouses
 Townhouses
 Trains
 Transportation Equipment
 Trucks
 Truck Trailers
 USDA Inspected Facilities
 Utilities
 Utility Rooms
 Voids (Attics, Walls, Ceilings)
 Warehouses
 Wineries
 Wine Storage Warehouses
 Zoos

OUTDOOR:

Campgrounds
 Corrals
 Drive-in Restaurants
 Drive-in Theaters
 Dumpsters
 Feedlots
 Garbage Dumps
 Golf Courses
 Junkyards
 Kennels
 Landscapes
 Lath Houses
 Manure Piles
 Parks
 Plantscapes
 Playgrounds
 Recreational Areas
 Sewers
 Swineyards
 USDA Inspected Facilities
 Zoos

This product is also effective against the following insects when used according to label directions:

FLYING INSECTS:

Bees
 Blow Flies
 Bottle Flies
 Cheese Skippers
 Deer Flies
 Flies
 Fungus Gnats
 House Flies
 Hornets
 Mushroom Flies
 Stable Flies
 Vinegar Flies
 Yellowjackets

CRAWLING INSECTS:

Bed Bugs
 Book Lice
 Cabbage Loopers
 Cabbage Worms

Cockroaches
 Crickets
 Fire Ant Workers
 Firebrats
 Millipedes
 Pillbugs
 Sowbugs
 Scorpions

LICE:

Cattle Lice

SPIDERS & MITES:

Cheese Mites
 Clover Mites
 Grain Mites
 Mites
 Spiders

WEEVILS:

Bean Weevils
 Granary Weevils
 Maize Weevils
 Rice Weevils

MOTHS:

Almond Moths
 Chocolate Moths
 Clothes Moths
 Cocoa Bean Moths
 Mediterranean Flour Moths

WORMS:

Dark Mealworms
 Lesser Mealworms

Yellow Mealworms

BETLES:

- Black Carpet Beetles
- Carpet Beetles
- Darkling Beetles
- Dermestid Beetles
- Dried Fruit Beetles
- Drugstore Beetles

- Flat Grain Beetles
- Foreign Grain Beetles
- Fungus Beetles
- Ground Beetles
- Hide Beetles
- Merchants Grain Beetles
- Mexican Grain Beetles
- Red Flour Beetles

- Red Horned Grain Beetles
- Rusty Grain Beetles
- Sawtoothed Grain Beetles
- Spider Beetles
- Trogoderma Beetles
- White Marked Spider Beetles

