

- Effective and fast-acting
- Provides flushing action and quick knockdown
- For indoor use as a ULV, space, area or contact spray



KEEP OUT OF REACH OF CHILDREN

## CAUTION

See inside for first aid and precautionary statements.

### ACTIVE INGREDIENTS:

Pyrethrins.....	1.00%
*Piperonyl butoxide, Technical .....	2.00%
**N-Octyl bicycloheptene dicarboximide.....	2.87%
***OTHER INGREDIENTS .....	94.13%
	100.00%

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

\*\* MGK<sup>®</sup> 264, Insecticide Synergist

\*\*\* Contains petroleum distillates

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### READ ALL DIRECTIONS COMPLETELY BEFORE USE

#### GENERAL PRECAUTIONS AND RESTRICTIONS:

- Do not enter or allow others to enter until sprays have dried.
- Do not allow adults, children, or pets to enter the treated area for at least 15 minutes, until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- Do not use in aircraft cabins.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.
- Do not make space spray applications when facility is in operation.
- Prior to space spray applications, cover or remove food.
- Prior to space spray applications, cover food processing surfaces or clean after treatment and before use.
- Do not apply more than 1 time per day.
- Not for use in outdoor residential misting systems.
- Remove pets, birds, and cover fish aquariums before use.
- Do not apply directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- 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.

#### GENERAL:

This concentrate is designed for use undiluted in mechanical sprayers that give particles of aerosol size. It can be diluted with refined kerosenes, which meet Food Additive Regulation as defined by CFR Title 21, 172.884, and applied in fogging equipment that give larger than aerosol particle size. It can also be diluted with the oil specified above and applied as a contact spray to kill crawling insects listed later on this label.

**For the control of insects, including, but not limited to:**

Almond Moths	Earwigs	Millipedes
Angoumois Grain Moths	Face Flies	Mosquitoes
Ants	Firebrats	Palmetto Bugs
Black Flies	Flat Grain Beetles	Pillbugs
Boxelder Bugs	Fleas	Red Flour Beetles
Brown Dog Ticks	Flies	Rice Flour Beetles
Cadellés	Flying Moths	Rice Weevils
Carpet Beetles	Fruit Flies	Rusty Grain Beetles
Cereal Beetles	Fungus Gnats	Saw-toothed Grain Beetles
Cheese Mites	Gnats	Silverfish
Cheese Skippers	Grain Mites	Skipper Flies
Chocolate Moths	Granary Weevils	Small Flying Moths
Cigarette Beetles	Hide Beetles	Spiders
Clothes Moths	Horn Flies	Spider Beetles
Clover Mites	Hornets	Stable Flies
Cockroaches	Horseflies	Sowbugs
Coffee Bean Weevils	Indian Meal Moths	Ticks
Confused Flour Beetles	Khapra Beetles	Ticks that may carry and transmit Lyme disease
Crickets	Lesser Grain Beetles	Tobacco Moths
Dark Mealworms	Lesser Grain Borers	Warehouse Beetles
Darkling Beetles	Lesser House Flies	Wasps
Deer Flies	Mediterranean Flour Moths	Waterbugs
Dermestid Beetles	Merchant Grain Beetles	Yellow Jackets
Dried Fruit Beetles	Midges	Yellow Mealworms
Drugstore Beetles	Miller Moths	

**INDOOR AREAS for use in and around but not limited to [such as]:**

Animal Areas and Quarters	Factories	Nursing Homes
Animal Control Centers	False Ceilings	Office Buildings
Animal Shelters	Freight Containers	Other Public Buildings
Apartments	Fruit Packing Sheds	Parking Garages
Arcades	Funeral Parlors	Pool Halls
Attics	Garages	Prisons
Auditoriums	Garbage Bins	Public Storage
Bakeries	Garbage Cans	Railroad Cars
Bars	Garbage Compactors	Recreational Vehicles
Basements	Garbage Trucks	Research Animal Quarters
Bathrooms	Gas Stations	Restaurants
Beverage Plants	Grain Elevators	Retail Stores
Boats	Grain Harvesting and Handling Equipment	Rice Mills
Bottling Plants	Grain Mills	Schools
Breweries	Granaries	Ship Holds
Brewery Warehouses	Grocery Stores	Ships
Buildings	Homes	Smoke Shops
Buses	Horse Stables and Barns	Sports Stadiums
Cabinets	Horse Trailers	Stables
Cabins	Hospices	Storage Bins (areas)
Cafeterias	Hospitals	Stored Food in multi-walled paper or cloth bags
Campers	Hotels	Stores
Canneries	Indoor Eating Establishments	Supermarkets
Churches	Industrial Installations	Taverns
City Missions	Institutional Dining Areas	Textile Mills and Warehouses
Circus Tents	Institutions	Theaters
Closets	Jails	Tobacco Factories
Club Houses	Kennels	Tobacco Warehouses
Commercial Buildings	Laboratories	Tool Sheds
Communication Centers	Laundromats	Trains
Condominiums	Lavatories	Transportation Equipment
Concession Stands	Libraries	Truck Trailers
Court Houses	Liquor Stores	Trucks
Crawl Spaces	Locker Rooms	Tunnels
Crematoriums	Marinas	Utilities
Day Care Centers	Mausoleums	Utility Rooms
Delicatessens	Meat Packing Plants	Vending Machines
Department Stores	Mess Halls	Veterinary Hospitals
Diners	Mini-Storages	Wall and Equipment Voids
Dog Houses	Mobile Canteens	Warehouses
Drugstores	Mobile Homes	Washrooms
Dumpsters	Morgues	Wholesale Stores
Dwellings	Mortuaries	Wine Cellars
Egg Processing Plants	Motels	Wineries
	Movie Theaters	Zoos
	Museums	

## INDOOR USE-UNDILUTED

### FOR USE IN HOMES, RESTAURANTS, FOOD PROCESSING PLANTS AND OTHER INDUSTRIAL AREAS:

**ULV AND SPACE SPRAY:** Use in aerosol generators to kill exposed accessible stages of: Flies (including fruit flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Clover Mites, Cheese Mites, Cheese Skippers, Boxelder Bugs, Earwigs, Ants and the following common Stored Product Pests: Granary Weevils, Rice Weevils, Confused Flour Beetles, Saw-toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Tobacco Moths, Yellow Mealworms, Dark Mealworms, Grain Mites, Cadelles, and Red Flour Beetles. Remove or cover exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 1-1/2 fluid ounces undiluted concentrate per 1,000 cubic feet of space. Direct spray toward upper corners of room and ceiling.

**CONTACT AND SPACE SPRAY:** To kill Cockroaches, Silverfish, Earwigs, Ants and Spiders, use a mechanical aerosol generator or a fogger. Using no more than 34 fluid ounces per 1,000 square feet, direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions, dark harborage areas, walls, floors, underneath sinks, behind pipes, and in all places that harbor insects to provide maximum penetration and impingement on the insects. Contact as many insects as possible. Do not allow spray to contact stored food. Treat as a space spray, applying at the rate of up to 3 fluid ounces per 1,000 cubic feet of space.

**NOTE:** If there is a need to treat such areas as conduits, motor housings, junction and switch boxes, or other electrical equipment, turn off electrical equipment prior to application. After application, allow time for oil to dissipate before starting motors or placing switches in the "ON" position.

**TREATMENT OF STORED FOOD AREAS:** Foods in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages of, but not limited to, listed pests. Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose. As noted above, using no more than 34 fluid ounces per 1,000 square feet, disperse first by directing spray into cracks and crevices, corners, pallets and around stacks of packaged goods, hitting as many insects as possible. Then apply as a space spray at a dosage of 1-1/2 fluid ounces per 1,000 cubic feet of room space.

**ON PEANUTS, NUTS, BEANS (INCLUDING COCOA), SEEDS AND COPRA IN BAGS OR OTHER PACKAGING:** For the control of accessible stages of listed insects, apply to the surface of stored or bagged products. Also spray walls, floors and other surfaces, storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places, using no more than 34 fluid ounces per 1,000 sq. ft. Then apply as a space spray at the rate of 1-1/2 fluid ounces per 1,000 cubic feet of space by directing the spray toward the ceiling and upper corners of the area and behind any obstructions.

**Contact and Space Spray - Undiluted - To kill Cockroaches:** Using an appropriate ULV spraying device, inject the aerosol spray directly into cracks and crevices to completely fill wall, equipment and other small structural void areas. Do not apply more than 4.0 fluid ounces per 1,000 cubic feet. Leave room ventilation or air conditioning equipment on during application.

## INDOOR USE-DILUTED

**SPACE SPRAY:** For use in mechanical fogging, thermal fogging or spraying equipment to control accessible stages of: Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Flour Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils and Khapra Beetles. Remove or cover exposed food and cover food-handling surfaces in edible product areas of food handling establishments. Close room and shut off all air conditioning or ventilating equipment. Dilute concentrate with a white mineral oil conforming to Regulation 21 CFR 121.2589(b) or an odorless light petroleum hydrocarbon conforming to 121.1182 at the rate of 1 part concentrate to 9 parts oil and mix well. Apply at the rate of 5.0 fluid ounces of concentrate per 1,000 cubic feet of space, filling the room with mist.

**SURFACE SPRAY:** To control accessible stages of Ants, Drugstore Beetles, Earwigs, Cockroaches, Silverfish, Beetles, Boxelder Bugs, Clover Mites, Crickets and other listed insects, dilute 1 part concentrate plus 9 parts suitable diluent, mix well and apply as a coarse wetting spray, using approximately 1 gallon of spray mixture per 1,000 square feet of surface. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, molding, crevices, walls, floors, and other

surfaces, storage and handling areas. Particular attention should be paid to areas where moisture collects such as drains, sinks, water pipes and around the base of heavy machinery and equipment, contacting as many insects as possible. Ants: Spray directly into nests, along trails, and directly on all ants observed.

**FOR USE IN TRANSIT PROTECTION:** To control accessible stages of listed insects, clean and spray truck beds, boxcars, ship holds and other listed transit equipment before loading. Dilute 1 part concentrate plus 9 parts suitable diluent, mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 1,000 sq. ft. Thoroughly treat walls and floors. Spray each layer of cartons or containers lightly as stacked. To control Indian Meal Worms and Angoumois Grain Moths in stored grain, apply to the surface of binned grain at a rate of 1 gallon of diluted product per 1,000 square feet. Apply at monthly intervals with the first appearance of moths and continuing until early fall. In case of severe infestation, break up webbing before spraying and make a second application in two weeks.

**Contact Spray - Diluted for use with sprayers that give large, wetting spray particles to kill Cockroaches and accessible stages of granary insects:** Cadelles, Confused Flour Beetles, Grain Mites, Granary Weevils, Meal Moth Larvae and Adults, Red Flour Beetles, Rice Weevils and Saw-toothed Grain Beetles. Cover or remove exposed food and close room as described above. Dilute concentrate with oil at the rate of 1 part concentrate plus 9 parts of oil or 15 ounces per gallon and mix well. Spray outside walls of grain bins, flooring, about base of milling machinery, walls and baseboards, areas behind cabinets, around pipes and other insect harborages, using 1 gallon spray per 1,000 square feet of space. Force spray into all cracks and crevices.

**DRIED FRUIT PRODUCTS in storage or being processed, for control of Confused Flour Beetles, Dried Fruit Beetles, Indian Meal Moths and Saw-toothed Grain Beetles:** Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part concentrate plus 9 parts oil or 15 ounces per gallon and mix well. Disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use 1 fluid ounce of concentrate per 1,000 cubic feet of space. Repeat application at this dosage in any given month. Sweep up and destroy fallen insects.

**STORED FOOD:** (stored in multi-wall bags or cloth bags) in flour mills, grain elevators, granaries, storage rooms, and warehouses for control of Angoumois Grain Moths, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles and Yellow Mealworms: Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part concentrate plus 9 parts oil or 15 ounces per gallon and mix well. Disperse this product first by directing spray into corners, under pallets and around stacks of packaged foods, hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of 1 fluid ounce of concentrate per 1,000 cubic feet of space. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects.

**Zoos:** As a space spray diluted for use in conventional mechanical fogging equipment to kill Flies, Gnats, Mosquitoes and Small Flying Moths: dilute 1 part concentrate plus 9 parts oil (refined kerosene) and mix well. Apply at a rate of 2 fluid ounces of concentrate per 1,000 cubic feet of space above the animals. Direct spray towards upper portions of the enclosure, filling the room with mist.

**FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:** Apply undiluted with a ULV spraying device up to 3 fluid ounces per 1,000 cubic feet of space. Apply this spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter, using up to but no more than 34 fluid ounces per 1,000 square feet. Contact as many insects as possible. Repeat as necessary, but not more than once a day, for control of exposed or accessible stages of Ants, Earwigs, Flies, Fruit Flies, Gnats, Mosquitoes, Silverfish, Small Flying Moths, Spiders and Waterbugs. Before spraying, exposed food products and packaging materials must be covered or removed. After spraying, equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water prior to use. Use as a space spray only when plant is not in operation. Do not make space spray applications when facility is in operation.

**NOTE:** When using oil as the diluent, an odorless light petroleum hydrocarbon as defined by CFR Title 21, §172.884 should be used for all food area and food related applications. Additionally, when diluted and used according to label directions, this spray will meet specifications for use under USDA meat, poultry, shell egg grading, and egg products inspection programs.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep this product in a tightly closed container, when not in use. Store in a cool, dry (preferably locked) area. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, feed, seed, fertilizers, and veterinary supplies. Place formulations on lower shelves and dry formulations above.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying.

For containers with capacities equal to or less than 5 Gallons (18.9L):

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixer, loaders, applicators, and other handlers must wear the following:

- long-sleeved shirt,
- long pants,
- chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or viton, and
- shoes and socks.

In addition to the above PPE, applicators using a high-pressure handwand 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 using handheld foggers 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.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

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 may contaminate water through runoff. This product has a potential for runoff for several months or more 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.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the 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 OR CHEMICAL HAZARDS

**Combustible.** Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

## FIRST AID

### IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or a doctor.
- Do not give **any** liquid to the person.
- Do not give anything by mouth to an unconscious person.

### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Contains petroleum distillates – vomiting may cause aspiration pneumonia.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.



# Pyrocide 100®

EPA Reg. No. 1021-1424  
EPA Est. No. 1021-MN-2  
0112-0513



Manufactured by MGK®  
©2013 MGK. All rights reserved.  
8810 Tenth Avenue North, Minneapolis, MN 55427

2.5M-1111