

SHOCKWAVE™

FOGGING CONCENTRATE

SPECIMEN LABEL

- For use indoors and outdoors as a ULV, space, area, contact spray or thermal fog for listed insects in areas specified on the label
- Contains insect growth regulator similar to the naturally occurring insect growth hormones that interfere with insect growth and development
- For use in and around the home and food and non-food areas of food processing plants and food service establishments
- Provides flushing action and quick knockdown, plus residual activity

ACTIVE INGREDIENTS:

Pyrethrins.....	1.00%
* Piperonyl butoxide, Technical.....	2.00%
** N-Octyl bicycloheptene dicarboximide	3.00%
Esfenvalerate (CAS #66230-04-4).....	0.20%
2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine	0.10%
*** OTHER INGREDIENTS.....	93.70%
	100.00%

* Equivalent to 1.6% (butylcarbityl) (6-propylpiperonyl) ether and 0.4% related compounds

** MGK® 264, Insecticide Synergist

*** Contains petroleum distillate

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

In Hospitals: Patients should be removed from room prior to treatment. Rooms should be ventilated for two hours after spraying. Do not return patients to room until after ventilation.

GENERAL: Shockwave™ Fogging Concentrate is designed for use undiluted in mechanical sprayers, which gives 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 shown later on this label.

Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatments or thoroughly wash before use following treatment.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See inside for first aid and precautionary statements.

INDOOR AREAS for use in and around, but not limited to:

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

FOR THE CONTROL OF INSECTS including, but not limited to:

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

INDOOR USE - UNDILUTED

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 Meal Worms, Dark Meal Worms, Grain Mites, Cadelles and Red Flour Beetles. Do not apply while the plant is in operation. 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 0.5 fluid ounce undiluted Shockwave™ Fogging Concentrate per 1,000 cubic feet of space. Direct spray toward upper corners of room and ceiling. Leave room closed for 1/2 hour and ventilate thoroughly before re-entry. Do not apply this undiluted spray in facilities operating under USDA meat, poultry, shell egg grading, and egg products inspection programs.

CONTACT AND SPACE SPRAY: To kill Cockroaches, Silverfish, Earwigs, Ants, Spiders, use a mechanical aerosol generator or a fogger. Direct the spray first into all cracks and crevices, behind all equipment, cupboards, obstructions or 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. Then treat as a space spray. Apply at the rate of 0.5 fluid ounce Shockwave™ Fogging Concentrate per 1,000 cubic feet of space. Vacate treated area and leave the room closed for 1/2 hour. Ventilate thoroughly before re-entry. Do not apply this undiluted spray in facilities operating under USDA meat, poultry, shell egg grading, and egg products inspection programs. Do not apply while the plant is in operation.

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 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, Khapra Beetle and other 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, disperse first by directing spray into cracks and crevices, corners, pallets and around stacks of packaged goods hitting as many insects as possible and then apply as a space spray at a dosage of 1.5 ounces per 1,000 cubic feet of room space. Repeat application as necessary for insect control. Do not remain in treated area and ventilate before re-entry.

ON PEANUTS, NUTS, BEANS, (INCLUDING COCOA), SEEDS AND COPRA IN BAGS OR OTHER PACKAGING:

For the control of 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, Khapra Beetles and other 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. Then apply as a space spray at the rate of 1.5 ounce 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. Leave room ventilation or air conditioning equipment on during application. Except in hospitals, as noted above, the room can be reentered immediately after applications are complete.

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. Food contact surfaces should be thoroughly washed with an effective cleaning compound and rinsed with potable water after use of the product. Close room and shut off all air conditioning or ventilating equipment. Dilute Shockwave™ Fogging 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 (one) part concentrate to 9 (nine) parts oil and mix well. Apply at the rate of 5.0 fluid ounces per 1,000 cubic feet of space, filling the room with mist. Vacate treated area and ventilate before re-entry.

SURFACE SPRAY: To control accessible stages of: Ants, Drugstore Beetles, Earwigs, Cockroaches, Silverfish, Beetles, Boxelder Bugs, Clover Mites, Crickets and other listed insects, dilute in a range of 1 part Shockwave™ Fogging Concentrate plus 2.25 parts suitable diluent to 1 part concentrate plus 29 parts suitable diluent, mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 750 square feet of surface. May be used only when the facility is not in operation provided exposed food is covered or removed from the area being treated prior to application. 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 and water pipes, 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 concentrate with oil in a range of 1 part Shockwave™ Fogging Concentrate plus 2.25 parts oil to 1 part concentrate plus 29 parts oil and mix well. Thoroughly treat walls and floors. Spray each layer of cartons or containers lightly as stacked. Apply diluted spray at the rate of 1 gallon per 1,000 square feet.

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 Shockwave™ Fogging Concentrate plus 29 parts of oil or 4.5 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. 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 Shockwave™ Fogging Concentrate plus 29 parts oil or 4.5 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 0.5 ounce per 1,000 cubic feet of space. Repeat application at this dosage in any given month. Leave the room closed for one hour. Do not remain in treated areas and ventilate the area before re-entry. Sweep up and destroy fallen insects.

STORED FOOD: (stored in multi-wall bags or cloth bags) in flour mills, grain elevators, granaries, storage rooms, warehouses for control of Angoumois Grain Moths, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Yellow Meal Worms: Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part Shockwave™ Fogging Concentrate plus 29 parts oil or 4.5 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 0.5 fluid ounces per 1,000 cubic feet of space. Do not remain in treated areas and ventilate area before re-entry. 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, Small Flying Moths: dilute 1 part Shockwave™ Fogging Concentrate plus 29 parts oil (refined kerosene) and mix well. Apply at a rate of 2 fluid ounces per 1,000 cubic feet of space above the animals. Direct spray towards the upper portions of the enclosure filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs.

FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: Dilute one part Shockwave™ Fogging Concentrate with 3 parts base oil (refined kerosene) and use with a ULV spraying device at the rate of one ounce per 1,000 cubic feet of room space. Apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Contact as many insects as possible. Repeat as necessary 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 or general surface spray only when plant is not in operation.

FOR CONTROL OF LITTER BEEETLES (such as darkling, hide, and carrion beetles): Shockwave™ Fogging Concentrate can be applied to litter, such as poultry houses infested with litter beetles. Remove animals prior to treatment. Treat surfaces after animals are removed. Treat walls and floors and all areas where beetles frequently occur. Do not contaminate food/feed or water. Dilute 1 part Shockwave™ Fogging Concentrate with 5 parts of suitable oil. Using a power or proportioner-type sprayer, apply a uniform spray at pressures of 80-100 pounds per square inch to walls, posts, cage framing (birds worn in cages only). Application should also be made into cracks and crevices in and around insulation. One gallon of diluted spray covers 1,000 sq. ft. Reapply after each growout or sanitation procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply Shockwave™ Fogging Concentrate in a uniform band at least 1 foot up and 1-4 feet out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

FOR OUTDOOR PESTS

GENERAL: Shockwave™ Fogging Concentrate can be used outdoors around structures to control Ants, Cockroaches, Crickets, Flies and other flying insects, Mosquitoes, Sowbugs, Spiders and Ticks. Dilute concentrate in a range of 1 part Shockwave™ Fogging Concentrate plus 2.25 parts oil to 1 part concentrate plus 29 parts oil and mix well. Use at the rate of 1 gallon diluted spray per 1,000 square feet to treat trash containers, dumpsters, and outside surfaces of buildings and other surfaces where these pests have been seen or found. Do not treat lawns, turf, or plants Shockwave™ Fogging Concentrate contains petroleum distillates. Do not treat surfaces that may be stained.

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

STORAGE: Store in a cool, dry place. Keep container closed.

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: Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved state and local procedures.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health Under the provisions of 30 CFR Part II. Avoid contamination of food or feedstuffs.

Remove pets, birds, and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other wildlife. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters. 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 Pollutant 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

Do not store near heat or open flame.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED:

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

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 eyes.
- Call a poison control center for treatment advice.

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.

NOTE TO PHYSICIAN: This product contains petroleum distillate and may pose an aspiration pneumonia hazard. 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.

SHOCKWAVE™

FOGGING CONCENTRATE

Shockwave is a trademark of McLaughlin Gormley King Company. McLaughlin Gormley King Company, MGK and Premium Pyrethrum are registered trademarks of McLaughlin Gormley King Company. All other marks are property of their respective holders. Manufactured by McLaughlin Gormley King Company®. ©2009 McLaughlin Gormley King Company. All rights reserved.
8810 Tenth Avenue North, Minneapolis, MN 55427
037-1631b/0309

EPA Reg. No. 1021-1810



EPA Est. No. 1021-MN-2