

SHOCKWAVE®

FOGGING CONCENTRATE

Specimen Label

- Provides flushing action and quick knockdown plus residual activity for indoor use as a ULV, space, area or contact spray.
- Contains NYGUARD® insect growth regulator similar to the naturally occurring insect growth hormones that interfere with insect growth and development.
- Continuous protection against stored product pests for 3 months.
- Keeps working on listed cockroaches for 180 days (6 months).
- Works to break the life cycle of listed insects.
- For use indoors and outdoors as a ULV, space, area, contact spray or thermal fog for listed insects in areas specified on the label.
- For use in and around the home and food and non-food areas of food processing plants and food service establishments.



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% |
| Esfenvalerate (CAS #66230-04-4)..... | 0.20% |
| 2-[1-methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine..... | 0.10% |
| ***OTHER INGREDIENTS | 93.83% |
| | 100.00% |

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

**MGK® 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

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.

Do not use in nurseries or rooms where infants, ill, or aged persons are present.

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.

INDOOR AREAS for use in and around:

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

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

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

FOR INDOOR USES**SPACE SPRAY APPLICATIONS ARE ONLY FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS****FOR USE IN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:**

A food handling establishment is an area or place other than a private residence in which food is held, processed, prepared and/or served.

Do not apply while the food area is in operation.
Remove or cover exposed food and food handling surfaces.
Do not allow spray to contact stored food.
Close room and shut off all air conditioning or ventilating equipment.

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 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 apply more than 1 time per day.

AS UNDILUTED SPACE SPRAY APPLICATION:
For application in food areas of food handling establishments:

| Pest | Application Rates | Remarks |
|---|---|---|
| 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, Sawtoothed 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. | 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 Federally Inspected Facilities. |
| To kill: Cockroaches, Silverfish, Earwigs, Ants, Spiders | Apply at the rate of 0.5 fluid ounce undiluted SHOCKWAVE Fogging Concentrate per 1,000 cubic feet of space. | 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. Then treat as a space spray. Vacate treated area and leave the room closed for 1/2 hour. Ventilate thoroughly before re-entry. |

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.

For application in treatment of stored food areas: For areas with foods stored in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages:

| Pest | Application Rates | Remarks |
|--|--|---|
| 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, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Driedfruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetle and other listed pests. | 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 fluid 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. Infested stored products should be destroyed, fumigated or treated by other effective methods using an approved product intended for this purpose. |

For application in other stored food and tobacco facilities: As a space treatment around bags or other packaging and pallets containing stored peanuts, nuts, beans (including cocoa), seeds, copra, and tobacco. Do not apply directly to any exposed foodstuff or exposed tobacco.

| Pest | Application Rates | Remarks |
|---|---|---|
| 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, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Driedfruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetles and other listed insects. | Apply as a space spray at the rate of 1.5 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. | 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. |
| To kill Cockroaches. | Using an appropriate ULV spraying device, inject the aerosol spray directly into cracks and crevices. | 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 re-entered immediately after applications are complete. |

AS DILUTED SPACE SPRAY APPLICATION:
For application in food areas of food handling establishments:

| Pest | Application Rates | Remarks |
|---|--|--|
| 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, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Driedfruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils and Khapra Beetles. | 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. Use in mechanical fogging, thermal fogging or spraying equipment. Close room and shut off all air conditioning or ventilating equipment. | 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. 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. Vacate treated area and ventilate before re-entry. |

Treatment of Areas Containing Stored Dried Fruit Products: For areas with foods stored in multi-walled bags, cloth bags or other packaging stored in such areas as listed for the control of accessible adult stages:

| Pest | Application Rates | Remarks |
|---|--|---|
| For control of Confused Flour Beetles, Driedfruit Beetles, Indian Meal Moths, and Sawtoothed Grain Beetles. | Dilute concentrate with oil at the rate of 1 part SHOCKWAVE Fogging Concentrate plus 29 parts oil or 4.5 fluid 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 fluid ounce per 1,000 cubic feet of space. | Remove and destroy infested products. 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. |

Other stored food and tobacco facilities: For areas with foods or tobacco stored in multi-wall bags or cloth bags in flour mills, grain elevators, granaries, storage rooms, warehouses:

| Pest | Application Rates | Remarks |
|--|--|---|
| 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, Sawtoothed Grain Beetles, Yellow Mealworms. | Dilute concentrate with oil at the rate of 1 part SHOCKWAVE Fogging Concentrate plus 29 parts oil or 4.5 fluid 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 ounce per 1,000 cubic feet of space. | Remove and destroy infested products. 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. |

For federally inspected meat and poultry plants:

| Pest | Application Rates | Remarks |
|---|--|--|
| For control of exposed or accessible stages of Ants, Earwigs, Flies, Fruit Flies, Gnats, Mosquitoes, Silverfish, Small Flying Moths, Spiders and Waterbugs. | Dilute 1 part SHOCKWAVE Fogging Concentrate with 3 parts base oil (refined kerosene) and use with a ULV spraying device at the rate of 1 fluid 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. 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. 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. |
| To kill Litter Beetles (Such as Darkling, Hide, and Carrion Beetles). | Dilute 1 part SHOCKWAVE Fogging Concentrate with 5 parts of a 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 grown 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. | 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. 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 applications in zoos:

| Pest | Application Rates | Remarks |
|---|--|--|
| To kill Flies, Gnats, Mosquitoes, Small Flying Moths. | As a space spray diluted for use in conventional mechanical fogging equipment, 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. Do not contaminate animal foods, feeds or water by application or drift. |

FOR APPLICATIONS IN RESIDENTIAL / COMMERCIAL SETTINGS, INCLUDING NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS

A food handling establishment is an area or place other than a private residence in which food is held, processed, prepared, and/or served. Non-food areas of food handling establishments include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

Applications within residential and non-residential buildings include homes, apartment buildings, kennels, and non-food areas of industrial and commercial buildings such as hospitals, hotels, warehouses, truck trailers, railroad cars, theaters, office buildings, schools, and other sites as listed.

Do not apply this product as a space spray in any residential or commercial settings, as listed above. Space sprays are ONLY allowed in food areas of food handling establishments.

Do not allow adults, children, or pets to enter the treated area 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 remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.

As Diluted Surface Spray Application:

| Pest | Application Rates | Remarks |
|--|---|---|
| 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. For ants: spray directly into nests, along trails, and directly on all ants observed. |

For applications in transit protection: truck beds, boxcars, ship holds, and other listed transit equipment before loading.

| Pest | Application Rates | Remarks |
|---|---|---|
| To control accessible stages of listed insects. | 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. Apply diluted spray at the rate of 1 gallon per 1,000 square feet. | Spray thoroughly to treat walls and floors. Spray each layer of cartons or containers lightly as stacked. |

FOR OUTDOOR USES:

Do not water the treated area to the point of runoff.
Do not make applications during the rain.
Do not allow adults, children, or pets to enter the treated area for at least 15 minutes, until sprays have dried.
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 apply to any fruit or nut bearing trees, shrubs, vines, or plants.
Do not apply this as a spray or broadcast application to turf other than small spot treatments around structures.
Do not use this product for area-wide mosquito adulticiding applications.

All outdoor applications are limited to building surfaces and spot treatments on structures.

As Diluted Surface Spray Application:

| Pest | Application Rates | Remarks |
|--|--|--|
| 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 outside surfaces of buildings where these pests have been seen or found. 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

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

PESTICIDE STORAGE: Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Triple Rinse as follows [for containers of 5 gallons or less]: 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.

Triple Rinse as follows [for containers greater than 5 gallons]: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip 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 two more times.

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.

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

EPA Reg. No. 1021-1810
EPA Est. No. 1021-MN-2
Rev. 0713-0116

MGK®

Manufactured by MGK®
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8810 Tenth Avenue North, Minneapolis, MN 55427

1D-0416



Insect Control Solutions

Issue Date: 13-Apr-2020

Revision Date: 13-Apr-2020

Version: 2

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: SHOCKWAVE® Fogging Concentrate

EPA Registration Number: 1021-1810

Other means of identification

Part Code: 7452

Recommended use of the chemical and restrictions on use

Recommended Use: Insecticide.

Details of the supplier of the safety data sheet

Manufacturer Address: McLaughlin Gormley King Company
7325 Aspen Lane North
Minneapolis, MN 55428
USA

FAX #: (763) 544-6437

Telephone Number: (800) 645-6466, or (763) 544-0341

e-Mail Address: mgk-sds@mgk.com

Emergency telephone number

24 Hour TRANSPORTATION Emergency: CHEMTREC®: (800) 424-9300
International: (703) 527-3887

24 Hour MEDICAL Emergency: SafetyCall®: (888) 740-8712, or (952) 852-9509

Comments: MGK® Hours of operation are 8:00 a.m. to 4:30 p.m. CST, 14:00 to 22:30 GMT.
For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to
(888) 740-8712, or (952) 852-9509.

2. HAZARDS IDENTIFICATION

Classification:

OSHA Regulatory Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---|------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Skin sensitization | Category 1 |
| Aspiration toxicity | Category 1 |
| Flammable Liquids | Category 4 |

Label elements

Emergency Overview

DANGER**Hazard statements**

- H304 - May be fatal if swallowed and enters airways
- H332 - Harmful if inhaled
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H227 - Combustible liquid

**Appearance:** Clear , light yellow**Physical state:** Liquid**Odor** Sweet Vegetable-oil Odor , Slight
- Solvent**Precautionary Statements - Prevention:**

- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P271 - Use only outdoors or in a well-ventilated area
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response:

- P321 - Specific treatment (see Section 4/ First Aid).
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P362 - Take off contaminated clothing and wash before reuse
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell
- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- P331 - Do NOT induce vomiting
- P370 + P378 - In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage:

- P405 - Store locked up
- P403 + P235 - Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal:

- P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% |
|---------------|-----------|----------|
| Pyrethrins | 8003-34-7 | 1.00 |

| | | |
|---|------------|--------------|
| Piperonyl Butoxide (PBO) | 51-03-6 | 2.00 |
| MGK®-264 Insecticide Synergist (n-Octyl bicycloheptene dicarboximide) | 113-48-4 | 2.87 |
| Esfenvalerate | 66230-04-4 | 0.200 |
| Pyriproxyfen (NYLAR®) | 95737-68-1 | 0.100 |
| Petroleum distillates, hydrotreated light | 64742-47-8 | 90<---->99 * |

*The exact percentage (concentration) of composition has been withheld as a trade secret

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Aspiration pneumonia hazard: • May be fatal if swallowed and enters airways

Description of first aid measures

- Eye contact:** 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.
- Skin Contact:** 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.
- Ingestion:** If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. 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. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove affected 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 further treatment advice.
- Self-protection of the First Responder:** Use personal protective equipment as required.
- Note to physicians:** Contains petroleum distillates – vomiting may cause aspiration pneumonia.
- For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use. Dry chemical. Carbon dioxide (CO₂). Water spray (fog). Alcohol resistant foam.

Unsuitable extinguishing media:

Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO₂), Hydrogen cyanide.

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions: Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling: Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). For more information, see product label.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers. For more information, see product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines:**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH | Supplier OEL |
|--|--------------------------|--|--|--|
| Pyrethrins 8003-34-7 | TWA: 5 mg/m ³ | TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³ | IDLH: 5000 mg/m ³ TWA: 5 mg/m ³ | - |
| Petroleum distillates, hydrotreated light 64742-47-8 | - | - | - | TWA: 100 ppm TWA: 525 mg/m ³ |

NIOSH IDLH

*Immediately Dangerous to Life or Health***Appropriate engineering controls**

Engineering Controls: Safety showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Wear protective gloves and protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations:

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

| |
|--|
| 9. PHYSICAL AND CHEMICAL PROPERTIES |
|--|

Information on basic physical and chemical properties:

Physical state: Liquid
Appearance: Clear, light yellow
Odor: Sweet Vegetable-oil Odor, Slight - Solvent
Odor threshold: No information available
Color (Gardner Scale): 2

Property: Values:
pH: No information available
Melting point / freezing point: No information available
Boiling point / boiling range: No information available
Flash point: 84.4 °C / 184.0 °F

Comment: • Method
Not applicable; immiscible in water.

Tag Closed Cup

Evaporation rate: No information available
Flammability (solid, gas): No information available
Upper flammability limit (UEL): No information available
Lower flammability limit (LEL): No information available
Vapor pressure: No information available
Vapor density: No information available
Specific Gravity: No information available
Water solubility: No information available
Partition coefficient; n-Octanol/
Water: No information available
Autoignition temperature: No information available

| | | |
|-----------------------------------|--------------------------|-----------|
| Decomposition temperature: | No information available | |
| Kinematic viscosity: | No information available | |
| Dynamic viscosity: | 9 cPs | @ 23.0 °C |
| Refractive Index: | 1.4408 | @ 25.0 °C |

Other Information:

| | |
|------------------------|-----------------------------------|
| Density | 0.799 g/cm ³ @ 20.0 °C |
| VOC Content (%) | 0.043 |

Miscibility/ Solubility:

| | |
|-------------------------------|------------|
| Water: | Immiscible |
| Alcohol: | Miscible |
| Aromatic solvents: | Miscible |
| Petroleum distillates: | Miscible |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials:

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂), Hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity - Product Information

| | |
|-----------------------------------|--|
| Oral LD₅₀ | >2,000 mg/kg (rat) |
| Dermal LD₅₀ | >2,000 mg/kg (rabbit) |
| Inhalation LC₅₀ | >2.21 mg/L, (rat; 4 hours) |
| Eye contact: | Irritation clearing in 72 hours. (rabbit). |
| Skin Contact: | Moderate irritation at 72 hours. (rabbit). |
| Skin Irritation Index: | 2.25 |

Sensitization: Positive. (guinea pig).

Piperonyl Butoxide:**Carcinogenicity/ Oncogenicity:**

Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.

| | |
|----------------------------------|---|
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP |
| Reproductive toxicity: | No information available. |
| Developmental Toxicity | No information available. |
| Teratogenicity: | No information available. |
| STOT - single exposure: | No information available. |
| STOT - repeated exposure: | No information available. |
| Chronic toxicity: | Avoid repeated exposure. |
| Target Organ Effects: | Central nervous system, Respiratory system, Skin. |

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects: No information available

Environmental hazards (EPA):

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.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

| | |
|------------------------------|--|
| UN/ID Number: | UN3082 |
| Proper Shipping Name: | Environmentally hazardous substance, liquid, n.o.s., RQ (Pyrethrins) |
| Hazard Class: | 9 |
| Packing Group: | III |

Other DOT Shipping Information: This material is **not** regulated as a hazardous material by the DOT in quantities less than 100 Lbs. per shipping unit.

Shipping name for quantities less than 100 Lbs. per shipping unit:

Insecticides, Insect or Animal Repellent, Liquid
Hazard Class:This material is not hazardous.

Air (IATA/ ICAO)

UN/ID Number: UN3082
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s., RQ (Pyrethrins)
Hazard Class: 9
Packing Group: III

Other IATA / ICAO Shipping Information: This material is **not** regulated as a hazardous material by **IATA / ICAO** in quantities less than 100 Lbs. per shipping unit.

Shipping name for quantities less than 100 Lbs. per shipping unit:

Insecticides, Insect or Animal Repellent, Liquid
Hazard Class:This material is not hazardous.

Vessel (IMO/ IMDG)

UN/ID Number: UN3082
Proper Shipping Name: Environmentally hazardous substance, Liquid, n.o.s.(Pyrethrins, Piperonyl Butoxide, MGK-264, Esfenvalerate, Pyriproxyfen), RQ (Pyrethrins)
Hazard Class: 9
Packing Group: III
Marine Pollutant: Yes

15. REGULATORY INFORMATION

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | SARA 313 - Threshold Values % |
|------------------------------------|-------------------------------|
| Piperonyl Butoxide (PBO) - 51-03-6 | 1.0 |

SARA 311/312 Hazard

Categories

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Pyrethrins 8003-34-7 | 1 lb | - | - | - |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ): |
|-------------------------|--------------------------|----------------|--|
| Pyrethrins 8003-34-7 | 1 lb | - | RQ 1 lb final RQ RQ 0.454 kg final RQ |

US State Regulations:

California Proposition 65:

This product does not contain any intentionally added Proposition 65 chemicals

U.S. EPA Label Information:

EPA Registration Number: 1021-1810

Difference between SDS and EPA (FIFRA) Pesticide label:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements:

- Harmful if swallowed
- Harmful if absorbed through the skin.
- Causes moderate eye irritation
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

International Inventories:

| | |
|----------------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Does not comply |
| ENCS | Does not comply |
| IECSC | Does not comply |
| KECL | Does not comply |
| PICCS | Does not comply |
| AICS | Does not comply |

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|-------------|-------------------|----------------|--------------------|----------------------------------|
| NFPA | Health hazards 2 | Flammability 2 | Instability 0 | Physical and Chemical Properties |
| HMIS | Health hazards 2* | Flammability 2 | Physical hazards 0 | Personal protection X |

Chronic Hazard Star Legend * = Chronic Health Hazard

| | | |
|-----------------------------------|--------------------------------------|--|
| Issue Date: 13-Apr-2020 | Revision Date: 13-Apr-2020 | Revision Note: - SDS sections updated - 2 - 5 - 8 - 14 - 15 - 16 |
|-----------------------------------|--------------------------------------|--|

SDS Prepared By:
e-Mail Address:

Troy Azzivitto, MGK® Chemistry Department.
mgk-sds@mgk.com

Disclaimer:

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, to the extent consistent with applicable law, MGK® and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, to the extent consistent with applicable law, neither MGK® nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. Except to the extent a particular use and particular information are expressly stated on the product label, it is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact MGK® to confirm that you have the most current product label and SDS.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use an EPA-registered pesticide product in any manner inconsistent with its labeling.

End of Safety Data Sheet

SHOCKWAVE®

FOGGING CONCENTRATE

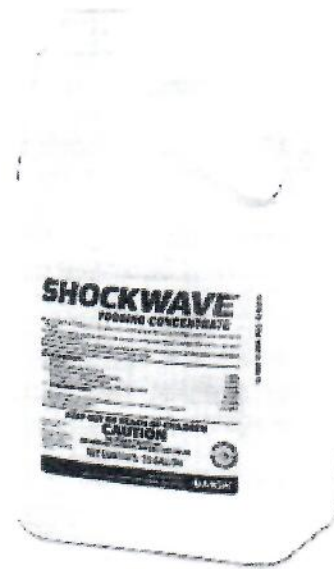
Shockwave® is unmatched fogging concentrate technology that delivers the highest-level control combined with the benefit of NyGuard® IGR activity. Shockwave provides flushing action and quick knockdown, plus residual activity. Shockwave contains NyGuard IGR that mimics naturally occurring insect growth hormones to interfere with insect growth and development.

Shockwave contains five active ingredients

- Dual killing agents (Pyrethrum and Esfenvalerate)
- Dual synergized (Piperonyl Butoxide and MGK-264)
- Insect growth regulator (NyGuard® pyriproxyfen)

Shockwave is the ideal clean-out solution for the toughest situations

- Heavy insect populations
- Hard-to-kill insects



TECHNICAL BULLETIN

Product Specifications

| | |
|---------------------------------------|--|
| Signal Word | Caution |
| Packaging | Gallons (4 per case) |
| EPA Registration Number | 1021-1810 |
| Food Handling | For use in food areas and non-food areas |
| Stability of Undiluted Product | Stable |
| Stability of Diluted Product | Stable in solution. Agitation recommended; not required. If left diluted in tank, make sure to agitate before reuse. |
| Appearance | Clear to light yellow |
| Odor | Slight odor of petroleum distillates |
| Active Ingredients | Pyrethrins, PBO, MGK 264, Esfenvalerate, Pyriproxyfen |
| Flammability | Combustible liquid |
| Mode of Action | Sodium channel modulator – disrupts insects' nervous system, insect growth regulator |
| Class of Chemistry | Pyrethrins, insecticide synergists, IGR |
| Respirator Required | Required |
| Mix or Dilute in | Use undiluted or dilute in oil only (refined kerosenes as defined by CFR Title 21, 172.884) |
| Activity | Contact kill, residual activity, IGR effect |
| Shelf Life | 3 years or more if stored at room temperature |

Use Areas

Indoors in Food and Non-food Areas, such as:

- Homes
- Food processing plants
- Restaurants
- Hotels
- Schools
- Warehouses

Outdoor Use Around Structures

- Dumpsters
- Garbage cans
- Homes
- Public buildings
- Warehouses

Poultry Houses

Transportation Equipment

- Ships
- Trains
- Trucks

Method of Application

- Mechanical foggers (space spray)
- Thermal foggers
- Compressed air sprayers (surface spray)
- Crack and crevice injection devices
- Aerosol generators
- Power sprayers (poultry houses)

Best Practices when using Shockwave® Fogging Concentrate

Contains petroleum distillates

Do not treat lawns, turf or plants. Do not treat surfaces that may be stained.

Dilute with oil

The Shockwave label allows it to be used indoors either diluted or undiluted. Outdoors it can only be used diluted. Dilute Shockwave with refined kerosenes that meet food additive regulations as defined by CFR Title 21, 172.884.

Ventilate before re-entry

Ventilation is achieved by completely exchanging the air in the room or area 3 times.

Mixing tip

When mixing, add the concentrate first, then dilute with oil, then agitate. If there is a good agitation in the mixing tank or unit, then the mixing order is not as important.

In poultry houses

Remove animals prior to treatment. See label for full directions for use in poultry houses.

Note

Diluted product may look hazy. Keep product agitated as much as possible.

Key Insects Controlled

Shockwave is labeled for the control of insects including, but not limited to:

- Almond Moths
- Angoumois Grain Moths
- Ants
- Black Flies
- Boxelder Bugs
- Brown Dog Ticks
- Cadelles
- Carpet Beetles
- Carrion Beetles
- Cereal Beetles
- Cheese Mites

Always read and follow label and SDS directions.

To learn more, visit www.mgk.com, call 1-800-645-6466 or send an e-mail to brands@mgk.com.

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

SHOCKWAVE®
FOGGING CONCENTRATE

8810 Tenth Avenue North, Minneapolis, MN 55427
0616-0816

MGK®

Manufactured by MGK®.
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Insect Control Solutions

Fecha de publicación:
13-abr.-2020

FICHA DE DATOS DE SEGURIDAD

Fecha de revisión: 13-abr.-2020

Versión: 2

1. IDENTIFICACIÓN DEL PRODUCTO Y DE LA EMPRESA

Identificador del producto

Nombre del producto: SHOCKWAVE® Fogging Concentrate

Número de registro de la EPA: 1021-1810

Otros medios de identificación

Código de la unidad: 7452

Recommended use of the chemical and restrictions on use

Uso recomendado: Insecticida.

Datos del proveedor de la ficha de datos de seguridad

Dirección del fabricante: **FAX #:**
McLaughlin Gormley King Company (763) 544-6437
7325 Aspen Lane North
Minneapolis, MN 55428
USA

Número de teléfono de la empresa: (800) 645-6466, o (763) 544-0341

Dirección de correo electrónico mgk-sds@mgk.com

Emergency telephone number

24 horas Transporte de emergencia: CHEMTREC®: (800) 424-9300
Internacionales: (703) 527-3887

24 horas emergencia médica: SafetyCall®: (888) 740-8712, o (952) 852-9509

Comentarios: MGK® Las horas hábiles son de 08:00 a 16:30 CST, 14:00 a 22:30 GMT.
Para obtener información en caso de EMERGENCIAS MÉDICAS o INCIDENTES
CON PESTICIDAS, llame las 24 horas del día al 1-888-740-8712, o al +1 (1)
952-852-9509 fuera de EE.UU. y Canadá.

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Estatus normativo según la OSHA:

Este producto químico se considera peligroso de acuerdo con la Norma de comunicación de peligros OSHA de 2012 (29 CFR 1910.1200)

| | |
|---|-------------|
| Toxicidad aguda - Inhalación (polvos/nieblas) | Categoría 4 |
| Corrosión o irritación cutáneas | Categoría 2 |
| Sensibilización cutánea | Categoría 1 |
| Toxicidad por aspiración | Categoría 1 |
| Líquidos inflamables | Categoría 4 |

Elementos de la etiqueta

Información general de emergencia

¡PELIGRO

Indicaciones de peligro

- H304 - Puede ser mortal en caso de ingestión y penetración en las vías respiratorias
- H332 - Nocivo en caso de inhalación
- H315 - Provoca irritación cutánea
- H317 - Puede provocar una reacción alérgica en la piel
- H227 - Líquido combustible



Aspecto: Claro , amarillo claro

Estado físico: Líquido

Olor Dulce Vegetable-oil Olor , Suave
- Disolvente

Consejos de prudencia - Prevención:

- P210 - Mantener alejado de fuentes de calor, chispas, llama abierta o superficies calientes. - No fumar
- P261 - Evitar respirar el polvo/ el humo/ el gas/ la niebla/ los vapores/ el aerosol
- P264 - Lavarse la cara, las manos y las áreas de la piel expuestas concienzudamente tras la manipulación
- P271 - Utilizar únicamente en exteriores o en un lugar bien ventilado
- P272 - Las prendas de trabajo contaminadas no podrán sacarse del lugar de trabajo
- P280 - Llevar guantes/prendas/gafas/máscara de protección

Consejos de Prudencia - Reacción:

- P321 - Se necesita un tratamiento específico (véase la Sección 4 / Primeros Auxilios).
- P302 + P352 - EN CASO DE CONTACTO CON LA PIEL: Lavar con agua y jabón abundantes
- P362 - Quitarse las prendas contaminadas y lavarlas antes de volver a usarlas
- P333 + P313 - En caso de irritación o erupción cutánea: Consultar a un médico
- P304 + P340 - EN CASO DE INHALACIÓN: Transportar a la víctima al exterior y mantenerla en reposo en una posición confortable para respirar
- P312 - Llamar a un CENTRO DE INFORMACION TOXICOLOGICA o a un médico en caso de malestar
- P301 + P310 - EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA o a un médico
- P331 - NO provocar el vómito
- P370 + P378 - En caso de incendio: Utilizar CO2, polvo seco o espuma como método de extinción

Consejos de prudencia - Almacenamiento:

- P405 - Guardar bajo llave
- P403 + P235 - Almacenar en un lugar bien ventilado. Mantener en lugar fresco

Consejos de prudencia - Eliminación:

- P501 - Eliminar el contenido/el recipiente en un vertedero autorizad

Peligros no clasificados de otra manera (HNOC):

No aplique este producto alrededor de equipo eléctrico debido al peligro de descarga eléctrica.

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

| Chemical name | CAS No. | % en peso |
|---------------|---------|-----------|
|---------------|---------|-----------|

| | | |
|---|------------|--------------|
| Piretrinas | 8003-34-7 | 1.00 |
| Butoxido de Piperonilo (PBO) | 51-03-6 | 2.00 |
| MGK®-264 [N-Octil bicicloheptano dicarboximida { 4,7-Metano-1H-isoindol-1,3(2H)-diona, 2-(2-etilhexil)-3a,4,7,7a-tetrahidro-}] | 113-48-4 | 2.87 |
| Esfenvalerato | 66230-04-4 | 0.200 |
| Piriproxifén | 95737-68-1 | 0.100 |
| Destilados (petróleo), fracción ligera tratada con hidrógeno | 64742-47-8 | 90<---->99 * |

*El porcentaje exacto (concentración) de la composición se ha retenido como secreto comercial

Comentarios: Los ingredientes no identificados están patentados o no son peligrosos. Los valores no son parte de las especificaciones del producto.

4. PRIMEROS AUXILIOS

Peligro por aspiración: • Puede ser mortal en caso de ingestión y penetración en las vías respiratorias

Descripción de los primeros auxilios

Contacto con los ojos: Mantenga los ojos abiertos y enjuague lenta y suavemente con agua por 15 a 20 minutos. Remueva lentes de contacto, si los hay, después de los primeros 5 minutos, luego continúe enjuagando el ojo. Llame al centro de información toxicológica o a un doctor para consejos de tratamiento.

Contacto con la piel: Quite la ropa contaminada. Lave la piel inmediatamente con abundante agua por 15 a 20 minutos. Llame al centro de información toxicológica o a un doctor para consejos de tratamiento.

Ingestión: Llame inmediatamente a un centro de control toxicológico o a un médico para solicitar consejos sobre el tratamiento. NO administre ningún tipo de líquido a la víctima. No induzca el vómito, a menos que se lo indique el centro de control toxicológico o el médico. No administre nada por vía oral si la víctima está inconsciente.

Inhalación: Retire a la persona afectada al aire libre. Si ha dejado de respirar llame a una ambulancia o al centro de información toxicológica, luego proporcione respiración artificial, preferiblemente boca a boca si es posible. Llame al centro de información toxicológica o a un doctor para consejos de tratamiento.

Autoprotección de la primera respondedor: Utilizar el equipo de protección individual obligatorio.

Nota para el personal médico: Contiene destilados de petróleo - el vómito puede causar neumonía por aspiración. En caso de efectos cutáneos, la aplicación tópica de acetato de tocoferol (Vitamina E) es un método terapéutico altamente eficiente contra la exposición a las piretrinas.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción apropiados

Uso. Producto químico seco. Dióxido de carbono (CO₂). Pulverización (o niebla) de agua. Espuma resistente al alcohol.

Medios de extinción no apropiados:

Precaución: El uso de rocío de agua luchar contra el fuego puede ser ineficiente.

Productos de combustión peligrosos: Monóxido de carbono, Dióxido de carbono (CO₂), Cianuro de hidrógeno.

Peligros específicos que presenta el producto químico

Mantener el producto y el recipiente vacío alejado de fuentes de calor e ignición. Riesgo de ignición.

Datos de explosión

Sensibilidad a impactos mecánicos: Ninguno/a.

Sensibilidad a descargas estáticas: Ninguno/a.

Equipo de protección y medidas de precaución para el personal de lucha contra incendios:

Como en cualquier incendio, llevar un aparato de respiración autónomo de presión a demanda MSHA/NIOSH (aprobado o equivalente) y todo el equipo de protección necesario.

6. MEDIDAS EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales: Utilizar el equipo de protección individual obligatorio. Retirar todas las fuentes de ignición. Evacuar al personal a zonas seguras. Mantener alejadas a las personas y en dirección contraria al viento en una fuga o vertido. Prestar atención al retorno de llama. Evítese la acumulación de cargas electroestáticas.

Precauciones relativas al medio ambiente: Impedir su introducción en cursos de agua, alcantarillas, sótanos o zonas confinadas. No arrojar a las aguas superficiales ni al sistema de alcantarillado. Prevenir más fugas o vertidos si se puede hacer de forma segura. Prevenir la penetración del producto en desagües. Vea la sección 12 para información ecológica adicional.

Métodos y material de contención y de limpieza

Métodos de contención: Prevenir más fugas o vertidos si se puede hacer de forma segura.

Métodos de limpieza: Recoger y transferir a contenedores etiquetados de forma apropiada. Cubrir los derrames de líquido con arena, tierra u otro material absorbente no combustible. Cubrir los derrames de polvo con una lámina de plástico o una lona para minimizar su expansión. Absorber con material absorbente inerte. Contener. Evítese la acumulación de cargas electroestáticas.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para una manipulación segura

Recomendaciones para una manipulación sin peligro: Utilizar el equipo de protección individual obligatorio. Evitar el contacto con la piel, los ojos o la ropa. Lavar las prendas contaminadas antes de volver a usarlas. No respirar el polvo/el humo/el gas/la niebla/los vapores/el aerosol. No comer, beber ni fumar durante su utilización. Utilizar con ventilación por extracción local. Todos los equipos utilizados durante la manipulación del producto deben estar conectados eléctricamente a tierra. Mantener alejado de fuentes de calor, chispas, llama abierta o superficies calientes. - No fumar. Tomar las medidas necesarias para evitar descargas de electricidad estática (que podrían provocar la ignición de vapores orgánicos). Para obtener más información, consulte la etiqueta del producto.

Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades

Condiciones de almacenamiento:

Mantener el contenedor perfectamente cerrado y en un lugar seco y bien ventilado. Manténgase fuera del alcance de los niños. Mantener alejado del calor, chispas, llamas y otras fuentes de ignición (p.ej. encendedores piloto, motores eléctricos y electricidad estática). Mantener los contenedores perfectamente cerrados en un lugar fresco y bien ventilado. Mantener alejado del calor. Mantener en contenedores etiquetados adecuadamente. Para obtener más información, consulte la etiqueta del producto.

| |
|---|
| 8. CONTROLES DE EXPOSICIÓN/PROTECCIÓN INDIVIDUAL |
|---|

Parámetros de control**Las Normas de Exposición:**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH | LEO de Proveedor |
|--|--------------------------|--|--|--|
| Piretrinas 8003-34-7 | TWA: 5 mg/m ³ | TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³ | IDLH: 5000 mg/m ³ TWA: 5 mg/m ³ | - |
| Destilados (petróleo), fracción ligera tratada con hidrógeno 64742-47-8 | - | - | - | TWA: 100 ppm TWA: 525 mg/m ³ |

NIOSH IDLH*Peligro inmediato para la vida o la salud***Controles técnicos apropiados**

Controles técnicos: Duchas de seguridad
Estaciones de lavado de ojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal

Protección ocular y de la cara: Utilizar gafas de seguridad con protectores laterales (o antiparras).

Protección de la piel y el cuerpo: Llevar guantes y prendas de protección.

Protección respiratoria: Si se superan los límites de exposición o se experimenta irritación, debe llevarse una protección respiratoria aprobada por NIOSH/MSHA. Pueden ser necesarias máscaras de presión positiva si existen concentraciones elevadas de contaminantes en aire. Debe suministrarse una protección respiratoria de acuerdo con las normativas locales en vigor.

Consideraciones generales sobre higiene: No comer, ni beber, ni fumar durante su utilización. Lavar las prendas contaminadas antes de volver a usarlas. Se recomienda realizar una limpieza periódica de los equipos así como la zona y la indumentaria de trabajo.

| |
|--|
| 9. PROPIEDADES FÍSICAS Y QUÍMICAS |
|--|

Información sobre propiedades físicas y químicas básicas:

Estado físico: Líquido
Aspecto: Claro, amarillo claro
Olor: Dulce Vegetable-oil Olor, Suave - Disolvente
Umbral olfativo: No hay información disponible
Color (en la Escala de Gardner): 2

| <u>Propiedad:</u> | <u>Valores:</u> | <u>Comentarios: • Método</u> |
|--|-----------------------------------|-----------------------------------|
| pH: | No hay información disponible | No aplicable; inmiscible en agua. |
| Punto de fusión/congelación: | No hay información disponible | |
| Punto de ebullición/intervalo de ebullición: | No hay información disponible | |
| Punto de inflamación: | 84.4 °C / 184.0 °F | Vaso Tag cerrado |
| Índice de evaporación: | No hay información disponible | |
| Inflamabilidad (sólido, gas): | No hay información disponible | |
| Límite superior de inflamabilidad: | No hay información disponible | |
| Límite inferior de inflamabilidad: | No hay información disponible | |
| Presión del vapor: | No hay información disponible | |
| Densidad de vapor: | No hay información disponible | |
| Densidad relativa: | No hay información disponible | |
| Solubilidad en agua: | No hay información disponible | |
| Coefficiente de partición; n-Octanol / Agua: | No hay información disponible | |
| Temperatura de autoignición: | No hay información disponible | |
| Temperatura de descomposición: | No hay información disponible | |
| Viscosidad cinemática: | No hay información disponible | |
| Viscosidad dinámica: | 9 cPs | @ 23.0 °C |
| índice de refracción: | 1.4408 | @ 25.0 °C |
| <u>Otra información:</u> | | |
| Density | 0.799 g/cm ³ @ 20.0 °C | |
| Contenido en COV (%): | 0.043 | |
| <u>Miscibilidad/ Solubilidad:</u> | | |
| Agua: | Inmiscible | |
| Alcohol: | Miscible | |
| Los disolventes aromáticos: | Miscible | |
| Destilados de petróleo: | Miscible | |

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

No hay datos disponibles

Estabilidad química

Estable en las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Ninguno durante un proceso normal.

Polimerización peligrosa: No se produce ninguna polimerización peligrosa.

Condiciones que deben evitarse

Calor, llamas y chispas.

Materiales incompatibles:

Incompatible con bases y ácidos fuertes. Incompatible con agentes oxidantes.

Productos de descomposición peligrosos

Monóxido de carbono, Dióxido de carbono (CO₂), Cianuro de hidrógeno.

11. INFORMACIÓN TOXICOLÓGICA

Medidas numéricas de toxicidad - Información del producto

| | |
|---|---|
| DL50 oral | >2,000 mg/kg (rata) |
| DL50 cutánea | >2,000 mg/kg (conejo) |
| CL50 por inhalación | >2.21 mg/L, (rata; 4 horas) |
| Contacto con los ojos: | Claro Irritación en 72 horas. (conejo). |
| Contacto con la piel: | Irritación moderada a las 72 horas. (conejo). |
| Índice de irritación de la piel: | 2.25 |

Sensibilización: Positivo. (conejillo de Indias).

Butóxido de piperonilo: Se observaron incidencias marginalmente más altas de tumores hepáticos benignos en ratones después de exposiciones a dosis altas de butóxido de piperonilo (Piperonyl Butoxide, PBO) de por vida. El significado de estas observaciones es dudoso y está siendo revisado. Las dosis de PBO a las que se observaron los tumores excedieron en gran medida la posible exposición en humanos especificada en los usos indicados en la etiqueta. Las dosis a las que se observaron estos efectos exceden en gran medida la ingesta dietaria prevista para humanos. A los niveles previstos de exposición dietaria, es muy poco probable que este producto provoque efectos carcinogénicos.

Carcinogenicidad: Este producto no contiene ningún carcinógeno o posible carcinógeno según lo recogido en las listas OSHA, IARC o NTP

Toxicidad para la reproducción: No hay información disponible.

Toxicidad para el desarrollo No hay información disponible.

Teratogenicidad: No hay información disponible.

STOT - exposición única: No hay información disponible.

STOT - exposición repetida: No hay información disponible.

Toxicidad crónica: Evitar la exposición repetida.

Efectos en los órganos diana: Sistema nervioso central, Aparato respiratorio, Piel.

12. INFORMACIÓN ECOLÓGICA

Ecotoxicidad:

Persistencia y degradabilidad

No hay información disponible.

Bioacumulación

No hay información disponible.

Otros efectos adversos: No hay información disponible

Peligros ambientales (EPA):

No deseche las aguas residuales que contengan el producto en lagos, arroyos, lagunas, estuarios, océanos u otras masas de agua naturales, a menos que cumpla con los requisitos del permiso otorgado por el Sistema Nacional de Eliminación de Desechos Contaminantes (National Pollutant Discharge Elimination System, NPDES) y las autoridades competentes hayan sido notificadas por escrito antes de desechar las aguas. No deseche las aguas residuales que contengan el producto en sistemas de alcantarillado sin notificar previamente a las autoridades locales de la planta de tratamiento de aguas residuales. Para mayor orientación, comuníquese con su Junta Estatal

de Aguas o con la Oficina Regional de la EPA.

13. CONSIDERACIONES RELATIVAS A LA ELIMINACIÓN

Métodos para el tratamiento de residuos

- Eliminación de residuos:** La eliminación debe realizarse conforme a las leyes y normativas regionales, nacionales y locales aplicables. Para obtener más información, consulte la etiqueta del producto.
- Envase contaminado:** Para obtener más información, consulte la etiqueta del producto.

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT (Departamento de Transporte, Department of Transportation)

Nº ID/ONU: UN3082
Designación oficial de transporte: Ambientalmente peligrosa sustancia, líquido, n.o.s, RQ (Piretrinas)
Clase de peligro: 9
Grupo de embalaje: III

Otra información de transporte de DOT: Este material no está regulado como material peligroso por el **DOT** en cantidades inferiores 100 Lbs. por unidad de envío. Nombre envío por cantidades menores de 100 Lbs. por unidad de envío :

Insecticidas, Insectos o repelentes de animales, líquido
Clasificación de peligro: Este material no es peligroso.

IATA/ OACI (aéreo)

Nº ID/ONU: UN3082
Designación oficial de transporte: Ambientalmente peligrosa sustancia, líquido, n.o.s, RQ (Piretrinas)
Clase de peligro: 9
Grupo de embalaje: III

Otra información de transporte de IATA / OACI: Este material no está regulado como material peligroso por el **IATA / OACI** en cantidades inferiores 100 Lbs. por unidad de envío. Nombre envío por cantidades menores de 100 Lbs. por unidad de envío :

Insecticidas, Insectos o repelentes de animales, líquido
Clasificación de peligro: Este material no es peligroso.

IMO/ IMDG

Nº ID/ONU: UN3082
Designación oficial de transporte: Sustancias líquidas peligrosas para el medio ambiente, n.e.p.(Pyrethrins, Piperonyl Butoxide, MGK-264, Esfenvalerate, Pyriproxyfen), RQ (Piretrinas)
Clase de peligro: 9
Grupo de embalaje: III
Contaminante marino: Sí

15. INFORMACIÓN REGLAMENTARIA

Normativas federales de EE.UU**SARA 313**

Sección 313 del Título III de la ley SARA (Superfund Amendments and Reauthorization Act) de 1986. Este producto contiene uno o más agentes químicos sujetos a los requisitos de notificación de la ley y el Título 40 del código de normativas federales (CFR), Parte 372

| Chemical name | SARA 313 - % valores umbral |
|--|-----------------------------|
| Butóxido de Piperonilo (PBO) - 51-03-6 | 1.0 |

Categorías de riesgos SARA**311/312**

| | |
|---|----|
| Peligro agudo para la salud | Sí |
| Peligro crónico para la salud | Sí |
| Peligro de incendio | Sí |
| Peligro de liberación brusca de presión | No |
| Riesgo de reacción | No |

CWA (Ley del agua limpia, Clean Water Act)

Este producto no contiene ninguna sustancia regulada como contaminantes según la Ley de Agua Limpia (40 CFR 122.21 y 40 CFR 122.42)

| Chemical name | CWA - Cantidades notificables | CWA - Contaminantes tóxicos | CWA - Contaminantes prioritarios | CWA - Sustancias peligrosas |
|-------------------------|-------------------------------|-----------------------------|----------------------------------|-----------------------------|
| Piretrinas 8003-34-7 | 1 lb | - | - | - |

CERCLA

Este material, tal y como se suministró, no contiene ninguna sustancia considerada como sustancia peligrosa según la Ley de Responsabilidad, Compensación y Recuperación Ambiental (CERCLA) (40 CFR 302) o la Ley de enmiendas y reautorización del super fondo (SARA) (40 CFR 355). Pueden existir requisitos de creación de informes específicos a nivel local, regional o estatal relativos a emisiones de este material

| Chemical name | Cantidades notificables (RQ) de sustancias peligrosas | RQ CERCLA/SARA | Cantidad declarable (RQ): |
|-------------------------|---|----------------|--|
| Piretrinas 8003-34-7 | 1 lb | - | RQ 1 lb final RQ RQ 0.454 kg final RQ |

Normativas estatales de EE.UU:**Proposición 65 de California:**

Este producto no contiene ninguna sustancia química añadida intencionadamente de la Proposición 65

U.S. EPA Label Information:

Número de registro de la EPA: 1021-1810

Diferencia entre SDS y EPA (FIFRA) etiqueta del pesticida:

Este producto químico es un producto pesticida registrado por la Agencia de Protección Ambiental de Estados Unidos y está sujeta a determinados requisitos de etiquetado bajo la ley federal de pesticidas. Estos requisitos difieren de los criterios de clasificación y los peligros información necesaria para Ficha de Datos de Seguridad (SDS), y para las etiquetas de los productos químicos del lugar de trabajo no-pesticida. La etiqueta del pesticida también incluye otra información importante, incluyendo las instrucciones de uso. La información sobre el peligro requerido en la etiqueta del pesticida se reproduce a continuación:

Palabras de advertencia **PRECAUCIÓN**Consejos de prudencia:

- Nocivo en caso de ingestión
- Nocivo si es absorbido por la piel.
- Provoca irritación ocular moderada
- El contacto prolongado o repetido con la piel puede causar reacciones alérgicas en algunos individuos.

Inventarios internacionales:

| | |
|----------------------|----------------|
| TSCA | Cumple |
| DSL/NDSL | Cumple |
| EINECS/ELINCS | No es conforme |
| ENCS | No es conforme |
| IECSC | No es conforme |
| KECL | No es conforme |
| PICCS | No es conforme |
| AICS | No es conforme |

Leyenda:

TSCA - Ley de control de sustancias tóxicas (Toxic Substances Control Act) estadounidense, apartado 8(b), Inventario

DSL/NDSL - Lista de sustancias domésticas/no domésticas de Canadá

EINECS/ELINCS - (Inventario europeo de sustancias químicas existentes/Lista europea de sustancias químicas notificadas, European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances)

ENCS - Sustancias químicas existentes y nuevas de Japón

IECSC - Inventario de sustancias químicas existentes de China

KECL - Sustancias químicas existentes y evaluadas de Corea

PICCS - Inventario de productos químicos y sustancias químicas de Filipinas

AICS - Inventario australiano de sustancias químicas (Australian Inventory of Chemical Substances)

16. OTRA INFORMACIÓN, INCLUIDA LA FECHA DE PREPARACIÓN DE LA ÚLTIMA REVISIÓN

| | | | |
|-------------|--|---------------------------|---|
| NFPA | Peligros para la salud Inflamabilidad 2 | Inestabilidad 0 | Propiedades físicas y químicas - |
| | 2 | | Protección personal |
| HMIS | Peligros para la salud Inflamabilidad 2 | Peligros físicos 0 | X |
| | 2* | | |

*Leyenda del asterisco de peligro crónico * = Riesgo crónico para la salud*

| | | |
|--|---|---|
| Fecha de publicación: 13-abr.-2020 | Fecha de revisión: 13-abr.-2020 | Nota de revisión: - Secciones de la FDS actualizadas - 2 - 5 - 8 - 14 - 15 - 16 |
|--|---|---|

SDS Preparado por:

Dirección de correo electrónico

Troy Azzivitto, Departamento de Química MGK®.
mgk-sds@mgk.com

Descargo de responsabilidad:

La información proporcionada en esta Hoja de Seguridad (SDS) se proporciona de buena fe y se cree que es válida en el momento de la preparación de la SDS. Sin embargo, en la medida compatible con la legislación aplicable, MGK® y sus

subsidiarias o afiliadas no extienden ninguna garantía, tampoco se manifestarán, ni asumen ninguna responsabilidad en cuanto a la exactitud, adecuación o integridad de dicha información. Además, en la medida compatible con la legislación aplicable, ni MGK® ni ninguna de sus subsidiarias o afiliadas representa o garantiza que esta información o producto puede ser usado sin infringir los derechos de propiedad intelectual de otros. Salvo en la medida de un uso en particular y de información en particular que se mencione expresamente en la etiqueta del producto, es responsabilidad de los usuarios determinar la idoneidad de esta información para su propio uso particular de este producto. Si es necesario, contacte a MGK® para confirmar que tiene la etiqueta del producto más actual y SDS.

Esta Hoja de Datos de Seguridad (SDS) que puede usarse para diferentes propósitos y NO REEMPLAZA O MODIFICA LA ETIQUETA DEL PRODUCTO aprobado por la EPA (pegada y que acompaña el envase del producto). Esta Ficha de Seguridad se proporciona información importante sobre salud, seguridad y medio ambiente para los empleadores, empleados, servicios de emergencia y los que manipulan grandes cantidades del producto en actividades generalmente del uso del producto según lo dispuesto por la Ley de Seguridad y Salud Ocupacional (29 CFR 1910.1200, "Hazcom"). La etiqueta del producto proporciona información específicamente para el uso del producto en el curso ordinario. Uso, almacenamiento y eliminación de plaguicidas están regulados por la EPA bajo la autoridad de la FIFRA a través de la etiqueta del producto. Toda la clasificación necesaria de peligro y el uso apropiado de precaución, el almacenamiento y la eliminación de la información se expone en esa etiqueta o etiquetado que acompaña el plaguicida o al que se hace referencia en la etiqueta. Es una violación de la ley federal usar un producto pesticida registrado por la EPA, en cualquier forma incompatible con su etiqueta.

Fin de la ficha de datos de seguridad