



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460-0001

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

October 7, 2009

Ms. Miriam Frugis, Registration Specialist McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427-4319

Subject:

Amended Label, Response to PR Notice 2007-4 & Clarification of Dosage Limits

MGK® MULTICIDE® Fogging Concentrate 2651, EPA Reg. No. 1021-1812

Your Submission Dated September 16, 2009

Dear Ms. Frugis:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following provision(s):

Directions for Use section comment(s):

- 1. In the 2nd sentence of the "<u>FOOD HANDLING ESTABLISHMENT APPLICATIONS</u>" subsection, replace the word "plant" with the words "processing facilities."
- 2. In the 2nd paragraph of the "NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:" subsection, replace the underlined 1st statement with the following text: "This product should be used as directed for kill of the following listed insects:"
- 3. In the 1st paragraph of the "<u>INDOOR USE AREAS</u>" subsection, replace the underlined 1st statement with the following text: "<u>For use on indoor areas such as</u>:"
- 4. In the 2nd paragraph of the "INDOOR USE AREAS" subsection, replace the subsection heading "GENERAL" with the words "USE DIRECTIONS."
- 5. In the "SURFACE SPRAY" subsection, replace the 1st sentence with "For kill of the following listed crawling insects:"
- 6. In the "SPOT AND CRACK & CREVICE TREATMENT" subsection, replace the 1st sentence with "For kill of the following listed crawling insects:"
- 7. In the 1st sentence of the "STORED FOOD" subsection, replace the word "control" with the word "kill."
- 8. Revise subsection heading that currently reads "FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS" to read "FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PROCESSING FACILITIES:" and in the 1st sentence, replace the word "control" with the word "kill."

Storage and Disposal section comment(s):

9. Replace the 3 existing subsections in the "CONTAINER HANDLING:" subsection with:

"CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

[For containers with capacities equal to or less than 5 gallons:]

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

[For containers with capacities greater than 5 gallons:]

[Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container ¼ full with the same oil used to dilute the product for use. 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 it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities."

A copy of your label stamped "Accepted with Comments" as well as a hard copy of the efficacy review previously completed for this product are enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

If you have any questions about this label review, please contact Mr. Carmen Rodia at (703) 306-0327 or via e-mail at *Rodia.Carmen@epa.gov*.

Sincerely yours,

Richard J. Gebken

Product Manager (10) Insecticide Branch

Registration Division (7505P)

Enclosures: Copy of label stamped "Accepted with Comments"

2651-0909



McLAUGHLIN GORMLEY KING COMPANY

MULTICIDE® Fogging Concentrate 2651

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A. - Telephone (763) 544-0341

For Use in Homes, Apartments, Food and Non-Food Areas of: Food Processing Plants, Warehouses, Office Buildings, Hotels, Motels, Schools, Theatres, Hospitals and Other Areas Listed

ACTIVE INGREDIENTS:

*.	(RS)-2-Methyl-4-oxo-3-(2-propynyl) cyclopent-2-enyl-(1RS)-cis, trans- chrysanthemate	2.00%
**	Piperonyl butoxide, Technical	4.00%
***	N-Octyl bicycloheptene dicarboximide	6.67%
***	OTHER INGREDIENTS	87.33%
	·	100.00%

- * ETOC®
- Equivalent to 3.20% (butylcarbityl) (6-propylpiperonyl) ether and 0.80% related compounds
- *** MGK® 264, Insecticide Synergist

**** Contains petroleum distillate

MGK® and MULTICIDE® - Registered trademarks of McLaughlin Gormley King Company ETOC® - Registered trademark of Sumitomo Chemical Corp., Ltd., Japan

KEEP OUT OF REACH OF CHILDREN

CAUTION

 	FIRST AID
IF SWALLOWED	Immediately call a poison control center or doctor.
	Do not induce vomiting unless told to do so by a poison control center or doctor.
	Do not give any liquid to the person.
	Do not give anything by mouth to an unconscious person.
IF ON SKIN OR	Take off contaminated clothing.
CLOTHING:	Rinse skin immediately with plenty of water for 15-20 minutes.
	Call a poison control center or doctor for treatment advice.
IF INHALED:	Move person to fresh air.
	 If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably mouth-to-mouth if possible.
	Call a poison control center or doctor for further treatment advice.
	NOTE TO PHYSICIAN
Contains petroleum disti	llate – vomiting may cause aspiration pneumonia.

Net Contents _____ Manufactured by: Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427

EPA Reg. No. 1021-1812

EPA Est. No. 1021-MN-2

ACCEPTED
With COMMENTS
In EPA Letter Dated:

Under the Federal Insecticide, Fungicide and Rodenticide Act, As amended, for the pesticide Registered under EPA Reg. No:

1021-1812



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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin and inhaled. Avoid contact with skin and clothing and inhaling vapor or spray mists. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Wear a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter when applying this product as a space spray.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Remove pets and birds and cover fish aquariums before spraying.

Do not allow children or pets to contact treated surfaces until spray has dried.

FOOD HANDLING ESTABLISHMENT APPLICATIONS

Do not apply directly to food. In a Federally inspected meat and poultry plant, the facility must not be in operation when this product is used, regardless of the method of application. In non-Federally inspected facilities, careful spot and/or crack and crevice application may be used while the facility is in operation provided exposed food is covered or removed from the area being treated prior to application. Space sprays and general surface treatments may be used only when the facility is not in operation provided food has been covered or removed from the area being treated prior to application.

[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 remove foods before treatment. 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 treatment or thoroughly wash before use following treatment.]

Cover or remove all food processing surfaces and/or handling equipment during application. Thoroughly wash all food processing surfaces before reuse. After application in bakeries, meat packing plants, food processing plants, cafeterias, and similar facilities wash all benches, shelving, equipment, etc. where exposed food will be handled with an effective cleaning compound followed by a potable water rinse to remove all traces of contamination.

NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS: For use in non-food areas of food processing plants, schools, warehouses, theatres, office buildings, industrial plants, hotels, motels, hospitals, kennels, food service establishments, truck trailers, railroad cars, food manufacturing and warehousing establishments. Non-food areas include garbage rooms, lavatories, offices, floor drains to sewers, entries and vestibules, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage areas after canning or bottling.

This product should be used as directed for the control of, but not limited to, the following insects: Almond Moths, Angoumois Grain Moths, Ants, Blister Beetles, Blood Sucking Lice, Boxelder Bugs, Cadelles, Carpet Beetles, Centipedes, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Clothes Moths, Cockroaches, Coffee Bean Weevils, Confused Flour Beetles, Crickets, Dark Mealworms, Darkling Beetles, Deer Flies, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Face Flies, Firebrats, Fleas, Flies, Fruit Flies, Fungus Gnats, Gnats, Grain Mites, Granary Weevils, Harlequin Bugs, Hide Beetles, Horn Flies, Hornets, Indian Meal Moths, Khapra Beetles, Leaf Hoppers, Lesser Grain Borers, Mediterranean Flour Moths, Mosquitoes, Mushroom Flies, Red Flour Beetles, Rice Weevils, Rusty Grain Beetles, Saw-toothed Grain Beetles, Stink Bugs, Scorpions, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Stable Flies, Tobacco Moths, Vinegar Flies, Warehouse Beetles, Wasps, Yellow Jackets and other similar insects.

RESTRICTION: Product cannot be used: 1) in areas where livestock animals (human food animals) are housed or fed; 2) in any areas where animal feeds are prepared, processed, or stored, and; 3) in any truck beds or truck trailers, freight/tank/container, railroad cars, ship holds, or ship and air freight containers that are used to transport unbagged (bulk) feeds.

INDOOR USE AREAS

Do not apply to classrooms when in use.

Do not use in aircraft cabins.

Do not apply to patient rooms in hospitals and nursing homes while occupied.

Do not use undiluted space spray in homes, apartments, condominiums and schools.

For use in and around, but not limited to, such areas as: Apartments, Arcades, Auditoriums, Bakeries, Beverage Plants, Bars, Basements, Bathrooms, Boats, Bottling Plants, Breweries, Brewery Warehouses, Buildings, Busses, Cabins, Cabinets, Cafeterias, Carpets, Campers, Canneries, Churches, City Missions, Circus Tents, Closets, Communication Centers, Condominiums, Concession Stands, Court Houses, Day Care Centers, Department Stores, Diners, Dog Houses, Drug Stores, Dumpsters, Egg Processing Plants, Freight Containers, Fruit Packing Sheds, Garbage Bins, Garbage Cans, Garbage compactors, Garbage trucks, Gas Stations, Grain Elevators, Grain Harvesting & Handling Equipment, Garages, Grain Mills, Granaries, Grocery Stores, Homes (Households), Hospices, Hospitals, Hotels, Industrial Installations, Institutions, Jails, Laboratories, Laundromats, Lavatories, Libraries, Liquor Stores, Locker Rooms, Marinas, Mills, Mausoleums, Meat Packing Plants, Mini-Storages, Mobile Homes, Morgues, Motels, Movie Theatres, Museums, Mushroom Processing, Nursing Homes, Office Buildings, Parking Garages, Passenger Railroad Cars, Pool Halls, Planes, Prisons, Public Storages, Rabbit Processing Plants, Recreational Vehicles (RV's), Restaurants, Retail Stores, Rice Mills, Schools, Smoke Shops, Storage Bins, Stored Food in Multi-walled Paper or Cloth Bags, Stores, Supermarkets, Textile Mills & Warehouses, Theatres, Tool Sheds, Trains, Trucks, Tunnels, Utilities, Utility Rooms, Voids (i.e. Attics, False Ceilings), Walls & Equipment Voids, Warehouses, Wholesale Stores, Wine Cellars, Wineries and other similar areas.

GENERAL: This concentrate is designed for use undiluted in mechanical sprayers, which gives particles of aerosol size (5-30 microns). It can be diluted with refined kerosenes, which meet Food Additive Regulation CFR 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. In food warehouse or storage areas do not apply more than once every 4 days. Automated fogging devices can only be used when facilities are not in operation.

UNDILUTED APPLICATIONS:

SPACE SPRAY - Undiluted in aerosol generators - To kill Ants, Box Elder Bugs, Cheese Mites, Cheese Skippers, Clover Mites, Earwigs, Exposed Accessible Stages of Flies, Fruit Flies, Gnats, Hornets, Mosquitoes, Small Flying Moths, Wasps and the following common stored product pests: Angoumois Grain Moths, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Drugstore Beetles, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Spider Beetles, Tobacco Moths and Yellow Meal Worms: Remove or cover exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 1 fluid ounce of undiluted concentrate per 1,000 cubic feet (1 ml/m³) of space. Direct output from aerosol generator 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, and shell egg grading and egg products inspection programs. Do not remain in treated area.

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

CONTACT AND SPACE SPRAY - Undiluted - To kill Ants, Crickets, Cockroaches, Earwigs, Silverfish and Spiders, in sheltered situations: Contact as many insects as possible. Do not allow spray to contact stored food. Use at a dosage rate of approximately 1/2 fluid ounces per 1,000 cubic feet (0.53 ml/m³) of room space. Do not apply more than once every 4 days for control. Leave the room closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. Do not apply this undiluted spray in facilities operating under USDA meat, poultry, shell egg grading and egg products inspection programs. The facility must not be in operation when used as a space spray or general surface treatment.

SPOT, OR CRACK AND CREVICE APPLICATIONS - Undiluted: Apply in specific areas such as: cracks and crevices in or behind baseboards, in floors, walls, expansion joints, areas around water and sewer pipes, wall voids, or voids in table legs and equipment where pests can hide as well as other similar areas. Spot treatments may also be made to areas including but not limited to storage areas, closets, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, and other equipment, the underside of shelves, drawers and similar areas. Do not apply where electrical short circuits could occur.

DILUTED APPLICATIONS:

<u>SPACE SPRAY - Diluted for ordinary mechanical fogging equipment</u> - To kill Flies, Gnats, and Small Flying Moths: This concentrate is designed for use diluted in mechanical sprayers which gives particles of aerosol size (5-30 microns). Cover or remove exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Dilute concentrate with oil at the rate of 1 part Concentrate plus 29 parts of oil or 4.5 fluid ounces per gallon 36 ml/L) and mix well. Apply at the rate of 2 fluid ounces of dilute spray per 1,000 cubic feet (2.1 ml/m³)of space or 50 fluid ounces dilute spray (.4 gallons) per 25,000 cubic feet (2.1 ml/m³)of space. Direct fog upward towards upper corners of room and ceiling area. Leave room closed for 1/2 hour. Do not remain in treated area. Ventilate room thoroughly before re-entry.

CONTACT SPRAY - Diluted for use with sprayers that give large, wetting spray particles to kill Cockroaches and Accessible Stages of Granary Insects: Cadelles, Confused Flour Beetles, Grain Mites, Granary Weevils, Meal Moth Larvae and Adults, Red Flour Beetles, Rice Weevils and Saw-toothed Grain Beetles: Cover or remove exposed food and close room as described above. Dilute Concentrate with oil at the rate of 1 part Concentrate plus 29 parts of oil or 4.5 fluid ounces per gallon (36 ml/L) 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 (40 ml/m²)feet of space. Do not apply more than once every 4 days for control.

<u>To Kill Carpet Beetles</u>: Dilute concentrate with oil at the rate of 1 part concentrate plus 29 parts of oil or 4.5 fluid ounces per gallon (36 ml/L)and mix well. Apply to floor areas and baseboards. Treat both the underside and topside of infested carpets. Spray inside of trunks, closets and infested areas of shelving. Do not apply more than once every 4 days for control.

SURFACE SPRAY: To insure maximum control of crawling insects: Ants, Boxelder Bugs, Clover Mites, Drugstore Beetles, Earwigs, Lice and Spider Beetles: Dilute 1 part concentrate plus 29 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture for 750 square feet (54 ml/m²) of surface. Spray walls, floor and other surfaces of bins and storage and handling areas thoroughly, being especially careful to apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Treat unloading, handling and processing areas and inside conveying, processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

SPOT AND CRACK AND CREVICE TREATMENT: To insure maximum control of crawling insects: Ants, Boxelder Bugs, Clover Mites, Drugstore Beetles, Earwigs, Lice and Spider Beetles: Dilute 1 part concentrate plus 29 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture for 750 square feet (54 ml/m²) of surface. Spot spray walls, floor and other surfaces of bins and storage and handling areas thoroughly, being especially careful to apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Treat unloading, handling and processing areas and inside conveying, processing and handling equipment. Spot spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

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 concentrate puls 29 parts oil or 4.5 fluid ounces per gallon (36 ml/L) and mix well. Disperse this product first by directing spray into corners, under pallets and around stacks of packaged foods hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of 1/2 fluid ounce per 1,000 cubic feet (0.53 ml/m³) of space. Do not remain in treated areas and ventilate the area before re-entry. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects. Do not apply more than once every 4 days for control.

FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS: For control of exposed or accessible stages of ANTS, EARWIGS, FLIES, FRUIT FLIES, GNATS, SILVERFISH, SMALL FLYING MOTHS, SPIDERS AND WATERBUGS. Dilute 1 part concentrate with 3 parts base oil (refined kerosene) and use with ULV spraying device at the rate of 1 ounce per 1,000 cubic feet (1ml/m³) of room space. Contact as many insects as possible. Before using, exposed food products and packaging materials must be covered or removed. After use, equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water after use of the product. Use as a space 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 remove foods before treatment. 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 treatment or thoroughly wash before use following treatment.]

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a warm, 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 stator or local governments or by industry.)

CONTAINER HANDLING:

Nonrefillable 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 (18.9 L) 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 the same oil used to dilute the product for use 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 (18.9 L)]: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with with the same oil used to dilute the product for use. 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.