

1021-1807

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 21, 2012

Mr. Steven K. Ditto  
Regulatory Affairs Specialist  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427-4319

**Subject: Amended Labeling; Removal of Duplicative Precautionary Statements  
MGK® MULTICIDE® Fogging Concentrate 2807, EPA Reg. No. 1021-1807  
Your E-Mail Submissions Dated February 16, 2012 & February 21, 2012**

Dear Mr. Ditto:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

A copy of your label for this product stamped "Accepted" is enclosed for your records. If you have any questions, please contact Mr. Carmen Rodia at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,

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

Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

Enclosure: Copy of label stamped "Accepted"  
001021-01807 D461218



**MGK®**

**McLAUGHLIN  
GORMLEY  
KING COMPANY**

**MULTICIDE® Fogging Concentrate 2807**

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

[ ]denotes alternate language

[A water based formulation]

**ACTIVE INGREDIENTS:**

Sumithrin®: 3-Phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) Cyclopropanecarboxylate .....	10.00%
* Piperonyl Butoxide .....	10.00%
OTHER INGREDIENTS .....	80.00%
	<hr/> 100.00%

\* (butylcarbityl) (6-propylpiperonyl) ether and related compounds  
Contains 0.847 pounds of Technical SUMITHRIN®/Gallon and 0.847 pounds Piperonyl Butoxide (PBO)/Gallon.

MULTICIDE® - Registered trademark of McLaughlin Gormley King Company  
Sumithrin™ - Trademark of Sumitomo Company Ltd.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente**

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> <li>▪ Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>▪ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
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.	

Net Contents \_\_\_\_\_

Manufactured by:  
Mc LAUGHLIN GORMLEY KING COMPANY  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No. 1021-1807

EPA Est. No. 1021-MN-2

**ACCEPTED**

*February 21, 2012*

**Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:**

EPA. Reg. No: 1021-1807



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**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

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

- long-sleeve shirt,
- long pants,
- shoes and socks.

See engineering controls for additional requirements.

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating drinking chewing gum, using tobacco, or using the toilet. Users should remove clothing /PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, was thoroughly and change into clean clothing.

**ENGINEERING CONTROLS:**

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms, including fish and aquatic invertebrates. Runoff from treated areas or deposition or spray droplets into a body of water may be hazardous to fish and aquatic invertebrates. Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist. Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes, or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

**DIRECTIONS FOR USE**

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

**USE RESTRICTIONS:**

For use by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

**IN CALIFORNIA:** This product is to be applied by County Health Department, State Department of Health Services, Mosquito and Vector Control or Mosquito Abatement District personnel only.

**IN FLORIDA:** Do not apply by aircraft unless approved by the Florida Department of Agriculture and Consumer Services.

Do not treat a site with more than 0.0036 lbs of Sumithrin® and Piperonyl Butoxide (PBO) per acre in a twenty-four [24-] hour period. Do not exceed 0.1 lb of Sumithrin® or PBO per acre in any site in one year. More frequent treatments may be made to prevent or



control a threat to public and/or animal health determined by a state, tribal, or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

NOTE: When rotating products with other insecticides containing PBO, do not exceed 2 lbs PBO per acre per year.

Not for use in outdoor residential misting systems.

MULTICIDE® Fogging Concentrate 2807 cannot be mixed with oil. Use only clean water.

SHAKE OR AGITATE THOROUGHLY BEFORE DILUTING. Diluted product must be thoroughly agitated before use. Avoid storing excess formulation in equipment.

**USE INFORMATION** For use in mosquito adulticiding programs involving outdoor residential and recreational areas where adult mosquitoes are present in annoying numbers, and in vegetation surrounding parks, woodlands, swamps, marshes, overgrown areas and golf courses. MULTICIDE Fogging Concentrate 2807 may be applied over agricultural areas for the control of adult mosquitoes within or adjacent to these areas.

For best results, apply when mosquitoes are most active and meteorological conditions are conducive to keeping the spray cloud close to the ground. Application in calm air conditions is to be avoided. Apply only when wind speed is greater than or equal to 1 mph. Air temperature should be greater than 50°F when conducting all types of applications.

**SPRAY DROPLET SIZE DETERMINATION:**

**Ground-Based, wide area mosquito abatement application:** Spray equipment must be adjusted so that the volume median diameter (VMD) is less than 30 microns (Dv 0.5 < 30 um) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 um). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

**Aerial wide area mosquito abatement application:** Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 um) and that 90% of the spray is contained in droplets smaller than 80 microns (Dv 0.9 < 80um). The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

**GROUND U.L.V. APPLICATION**

Apply MULTICIDE® Fogging Concentrate 2807 undiluted at a flow rate of 1.1 to 3.3 fluid ounces per minute at an average vehicle speed of 10 mph using a swath width of 300 feet for acreage calculations (see chart below). Under normal residential conditions a flow rate of 2.2 fluid ounces per minute is recommended. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.0012 to 0.0036 pounds of Sumithrin® and Piperonyl butoxide per acre. Vary flow rate according to vegetation density and mosquito population. Use high flow rate in heavy vegetation or when populations are high.

MULTICIDE® Fogging Concentrate 2807 may also be diluted with water and applied so as not to exceed the 0.0036 lbs of each a.i., Sumithrin® and PBO per acre as shown in the dilutions tables on this label. If an alternative dilution rate is used, adjust the flow rate accordingly, provided the droplet size and spectrum remains within label specifications.

Rates to use MULTICIDE® Fogging Concentrate 2807 Undiluted for Mosquito Control:

Pounds a.i./Acre		MFC 2807 Fl. oz./Acre
Sumithrin®	PBO	
0.0036	0.0036	0.54
0.0024	0.0024	0.36
0.0012	0.0012	0.18

Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
1.6	3.3	4.9	6.6
1.1	2.2	3.3	4.4
0.5	1.1	1.6	2.2

Rates to use diluted (1 to 1 dilution ratio) MULTICIDE® Fogging Concentrate 2807 (Finished spray is a 5% by weight Sumithrin, and contains 0.424 lbs of each a.i., Sumithrin and PBO per gallon)

Pounds a.i./Acre		Finished Spray Fl. oz./Acre
Sumithrin®	PBO	
0.0036	0.0036	1.09
0.0024	0.0024	0.73



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0.0012	0.0012	0.36
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Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
3.3	6.6	9.9	13.2
2.2	4.4	6.6	8.8
1.1	2.2	3.3	4.4

Rates to use diluted (1 to 2 dilution ratio) MULTICIDE® Fogging Concentrate 2807 (Finished spray is a 3.3% by weight Sumithrin, and contains 0.282 lbs of each a.i., Sumithrin and piperonyl butoxide per gallon)

Pounds a.i./Acre		Finished Spray Fl. oz./Acre
Sumithrin®	PBO	
0.0036	0.0036	1.63
0.0024	0.0024	1.09
0.0012	0.0012	0.54

Flow Rates in fluid oz./minute at truck speeds of:			
5 MPH	10 MPH	15 MPH	20 MPH
4.9	9.9	14.8	19.8
3.3	6.6	9.9	13.2
1.6	3.3	4.9	6.6

MULTICIDE® Fogging Concentrate 2807 may also be applied with non-thermal, portable, motorized backpack equipment adjusted to deliver ULV particles of less than 100 microns VMD. Use 0.18 to 0.54 fl.oz. of the undiluted spray per acre (equal to 0.0012 to 0.0036 lb.ai./acre) as a 50 ft (15.2 m) swath while walking at a speed of 2 mph (3.2 kph). Dilute only with water if dilution is preferred. Do not exceed 0.54 fl. oz. of the undiluted spray per acre. Do NOT use portable backpack equipment for application in enclosed spaces.

**AERIAL APPLICATION**

MULTICIDE® Fogging Concentrate 2807 may be applied at rates of 0.18 to 0.54 fluid ounces MULTICIDE® Fogging Concentrate 2807 per acre by fixed wing or rotary aircraft equipped with suitable ULV application equipment. MULTICIDE® Fogging Concentrate 2807 may also be diluted with water and applied by aerial ULV equipment so long as 0.54 fluid ounces per acre of MULTICIDE® Fogging Concentrate 2807 is not exceeded.

RELEASE HEIGHT FOR AERIAL: Fixed wind: Apply using a nozzle height of no less than 100 feet above the ground or canopy. Rotary wing: Apply using a nozzle height of no less than 75 feet above the ground or canopy.

Reference the dilution charts on this label. If an alternative dilution rate is used, adjust the flow rate accordingly, provided the droplet size and spectrum remains within label specifications.



## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE:

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

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

### CONTAINER DISPOSAL:

Nonrefillable container. Do not reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a 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.

[Or for containers over 5 gallons:]

[Triple rinse as follows: Empty the remaining contents into the 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 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.]

[Refillable Containers:]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into rinsate collection system. Repeat his rinsing 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.