

11930-2

06/15/2007

OMEGO Mist MAC

Label unit 1 of 3

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For use only by Federal, State, Tribal, or local governmental 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.

This product is a Ready-To-Use, Quick knockdown, Low odor, Non-corrosive, Synergized, synthetic Pyrethroid for control of Adult Mosquitoes, Biting and Non-Biting Midges, Black flies and other outdoor flying insects as listed on this label which cause Public Health annoyance in Residential, Municipal and Recreational Areas. Do not spray on or allow drift onto pastureland, cropland, (other than those crops listed), or potable water supplies.

EPA Reg. No. 11930-2 EPA Est. No. 11930-AL-1**ACTIVE INGREDIENTS:**

Permethrin; [CAS 2645-53-1] - - - - - 30.0%

Piperonyl Butoxide Technical; [CAS 51-03-5] - - - - - 30.0%

OTHER INGREDIENTS: * - - - - - 40.0%

Total 100.0%

Contains 2.500 lb. A.I. Permethrin plus 2.500 lbs. A.I. Piperonyl

Butoxide per Gallon. * Contains a Petroleum Distillate Solvent

ACCEPTED**JUN 15 2007**

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
Registered under
EPA Reg. No. 11930-2

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

"PRECAUCIONAL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente" (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or 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 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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.

HOT LINE NUMBER: Have this product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call 1-800-858-7378 for emergency medical treatment advice. See below for additional Precautionary Statements

NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

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

CAUTION: Contains petroleum distillate. Harmful if swallowed, or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or the toilet. Prolonged or repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic organisms including fish and aquatic invertebrates. Runoff from treated areas or deposition to bodies of water may be hazardous to fish and other aquatic organisms. 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 water to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

BEE WARNING: This product is toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply to or allow drift onto blooming crops or weeds when bees are 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.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill, 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. Before making the first application of the 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. 05-29-07

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Store product in its original labeled container in a cool, dry, locked place designated for such insecticides and out of reach of children. Do not expose to extreme temperatures. In case of spillage, soak up with absorbent material such as sawdust, or fullers earth; sweep up and place in a labeled container and dispose of as follows.

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

CONTAINER DISPOSAL: (Metal) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other approved State and local procedures. (Plastic) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Net contents 2½ Gal. ☐ 5 Gals. ☐ 30 Gals. ☐ 55 Gals. ☐ 275 Gals. ☐

Gil Manufacturing, Inc. P.O. Box 242725 Montgomery, AL 36124 U.S.A.

OMEGO MISTTM MAC

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HOW TO APPLY and WHEN TO USE

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CONDITIONS AND RATES TO USE OMEGO MIST MAC UNDILUTED

pounds of a.i. per acre		APPLICATION RATES				Fl. OZ. of OMEGO MIST MAC per Acre
PERMETHRIN	PBO	Fl. oz. per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	1.0752	2.1505	3.3226	4.3008	0.3584
0.00350	0.00350	0.5376	1.0752	1.6129	2.1505	0.1792
0.00175	0.00175	0.2688	0.5376	0.8064	1.0752	0.0896

DILUTION RATES FOR OMEGO MIST MAC

FOR A 1 : 4 DILUTION

Mix 1 part OMEGO MIST MAC with 4 parts Suitable Mineral Oil:		Apply as follows:				
pounds of a.i. per acre		Application Rates				Fl. oz. finished spray
PERMETHRIN	PBO	Fl. oz. per Minute at Vehicle Speeds				per acre
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	5.3763	10.7526	16.1289	21.1505	1.7921
0.00350	0.00350	2.6881	5.3763	8.0645	10.7526	0.8960
0.00175	0.00175	1.3440	2.6888	4.0320	5.3760	0.4480

FOR A 1:8 DILUTION

Mix 1 part <i>OMEGA MIST MAC</i> with 8 parts Suitable Mineral Oil:						Apply as follows
pounds of a.i.'s per acre		Application Rates				Fl. oz. finished spray
PERMETHRIN	PBO	Fl. oz. per Minute at Vehicle Speeds				per acre
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	9.6769	19.3539	29.0309	38.7078	3.2256
0.00350	0.00350	4.8384	9.6769	14.5154	19.3539	1.6128
0.00175	0.00175	2.4192	4.8384	7.2577	9.6769	0.8064

FOR A 1:2 DILUTION

<u>Mix 1 part OMEGA MIST MAC with 2 parts Suitable Mineral Oil;</u>						Apply as follows:
pounds of a.i.'s per acre		Application Rates				Fl. oz. finished spray
PERMETHRIN	PBO	Fl. oz. per Minute at Vehicle Speeds				per acre
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	3.2258	6.4516	9.6774	12.9032	1.0752
0.00350	0.00350	1.6129	3.2258	4.8387	6.4516	0.5376
0.00175	0.00175	0.8064	1.6129	2.4193	3.2258	0.2688

Apply when temperatures are above 50°F and wind speed is equal to or is greater than 1 m.p.h.. For proper ground application mount the fog applicator so that the nozzle is at least 4 1/2 feet above ground level and directed out the back of the vehicle. May be applied at speeds of 5 m.p.h. up to 20 m.p.h. Failure to follow these label directions may result in reduced effectiveness. For **Aerial Application refer to the **Aerial Application section on this label. OMEGO MIST MAC may be used as is, or diluted with a suitable solvent such as a 60 to 100 Second viscosity mineral oil and applied at a rate not to exceed 0.3584 fl. oz. of OMEGO MIST MAC, per acre. Both aerial and ground applications should be made when the wind is less than 10 m.p.h. For exact rates, see the "UNDILUTED" or the "DILUTION" Rates charts on this label.

OMEGO MIST MAC is recommended for application as an Ultra Low Volume (U.L.V.) Thermal or Non-thermal aerosol (cold fog) to control adult mosquitoes, and other insects as listed on this label, in residential and recreational areas where these insect pests become a problem; such as, but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, and non-crop waste areas. For best results; treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the fog close to the ground. e.g. cool temperatures and wind speeds are not greater than 10 m.p.h. Applications during the cool hours of night or early morning are usually preferable.

IMPORTANT: Do not re-treat a site more than once in 24 hours; and no more than 2 applications should be made to any site in a 1 week period. Do not apply more than 0.185 lb. of permethrin per acre, per year, to any site. 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."

URBAN ULV MOSQUITO APPLICATIONS

For control of resting or flying adult mosquitoes, biting flies and biting midges in application sites of Residential, Municipal and Recreational areas such as utility tunnels, sewers, storm drains and catch basins, pipe chases, underground basements, underground passages, parking decks, crawl spaces or underground buildings. This product may be applied using mechanical foggers, hand-held or truck mounted ULV equipment suitable for these applications. Apply at rates, up to, but not exceeding, 0.007 lb. active ingredient permethrin per acre. See Rate(s) Charts. 05-29-07

MAY BE APPLIED OVER THE FOLLOWING CROPS

OMEGO MIST MAC may be applied over specific growing crops and range grasses prior to harvest for the control of adult mosquitoes and biting flies within or adjacent to these areas. Application can only be made where the following crops are present:

Almonds	Cabbage	Corn, fodder	Range Grasses	Mushrooms	Soybeans
Apples	Celery	Corn, forage	Leafy vegetables	Onions, dry bulb	Tomatoes
Broccoli	Cauliflower	Corn, grain	(except brassica)	Peaches - Pears	Vegetables, cucurbits
Brussels sprouts	Cherries	Eggplant	Lettuce, head	Peppers, bell	Walnuts

Do not spray on or allow drift onto pastureland, cropland, (other than those crops listed), or potable water supplies. In the treatment of corrals, feed lots, swine lots, poultry ranges and zoos; cover any exposed drinking water, drinking fountains and animal feed before application.

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GROUND APPLICATIONS ULV NON-THERMAL AEROSOL (COLD FOG)

To control Mosquitoes, Midges and Blackflies apply **OMEGO MIST MAC** using truck mounted ground ULV (cold fog) equipment. Spray equipment must be adjusted so the volume median diameter is less than 30 microns ($D_v 0.5 < 30$ microns) and that 90% of the spray is contained in droplets smaller than 50 microns ($D_v 0.9 < 50$ microns). 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.

When applying this product undiluted, apply at a flow rate of 0.5376 to 2.1505 ounces per minute at an average vehicle speed of 10 M.P.H. These rates are equivalent to 0.00175 to 0.007 pound of Permethrin a.i. and 0.00175 to 0.007 pound of piperonyl butoxide a.i. per acre. If a different vehicle speed is used, adjust the rate accordingly. Vary flow rates accordingly to vegetation density and mosquito population. Use higher flow rates in heavy vegetation or when insect populations are high. An accurate flow rate control system must be used to ensure proper flow rate. **OMEGO MIST MAC** may also be applied by diluting, 1 part to 1 part of a 60 to 100 second mineral oil or another suitable solvent, applied so as not to exceed the maximum a.i. rates per acre as shown in the rates charts. If an alternate dilution rate is required, adjust the flow rate accordingly, provided the droplet size and spectrum remain within label specifications. Do not exceed a flow rate of 20 oz. minute unless recommended and required by equipment manufacturers and/or Public Health Officials for vehicle speeds of 10 to 20 m.p.h. and when the fogging equipment is capable of such higher rates of output per minute.

THERMAL AEROSOL FOGGING

Apply **OMEGO MIST MAC** diluted or undiluted by suitable Thermal Foggers mounted on trucks. If diluted use a 60 to 100 second viscosity mineral oil, or another suitable non-phytotoxic diluent to reduce oil requirement and sludge buildup in equipment. May be applied at truck speeds of 5 m.p.h. to 20 m.p.h. but do not exceed the maximum active ingredient application rates. Spray equipment must be adjusted so the volume median diameter is less than 30 microns ($D_v 0.5 < 30$ microns), and that 90% of the spray is contained in droplets smaller than 50 microns. ($D_v 0.9 < 50$ microns). 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.

For use with Hand Carried and/or Lawn Mower thermal foggers, adjust the sprayer to apply the desired A.I. per acre based on a 50 foot swath and a walking speed of 2 m.p.h. Do not fog to wet foliage. Thermal fogging applications of **OMEGO MIST MAC** can be made to deliver 0.00175 to 0.007 lb. of permethrin a.i. per acre and 0.00175 to 0.007 lbs. piperonyl butoxide per acre.

USE AS AN INSECT BARRIER TREATMENT

For use in non-Thermal ULV, motorized, portable, backpack, and fog type mist blower equipment apply **OMEGO MIST MAC** with equipment adjusted to deliver ULV size droplets with a volume median diameter of 50 - 100 microns. **OMEGO MIST MAC** may be applied undiluted or diluted (see Application Rates tables section). If diluted use a 30 to 100 second mineral oil, or another, (if recommended by Public Health Officials), suitable non-phytotoxic diluent. Use 0.00175 to .007 pound Permethrin A.I. per acre at a 50 ft. (15.2 m) swath width, while walking at a speed of 2 m.p.h. (3.2 k.p.h.). Whether applied undiluted or diluted, or at a different speed, make sure that the same amount of Permethrin A.I. is applied per acre. When this product is used as a Barrier Treatment do not apply within 100 feet, (30 meters), of lakes and streams.

** AERIAL APPLICATION

Make Ultra-Low Volume aerial applications of **OMEGO MIST MAC** according to the application rate table on this label. Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ($D_v 0.5 < 60$ microns), and that 90% of the spray is contained in droplets smaller than 100 microns ($D_v 0.9 < 100$ microns). 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 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.

Application should be made by suitable aerial U.L.V. equipment at an altitude ranging from 120 - 175 feet depending on the terrain and weather conditions. The minimum spray boom height, (from the ground), for application by fixed wing aircraft or rotary aircraft shall be 100 feet. The recommended airspeed for fixed wing aircraft with flat fan nozzles is from 120 to 160 m.p.h. For aircraft equipped with rotary nozzles, apply at sufficient airspeed to deliver the appropriate amount of **OMEGO MIST MAC** a.i. per acre. Do not exceed 0.007 lb. permethrin a.i. per acre or 0.3584 undiluted fluid ounces per acre of **OMEGO MIST MAC** as listed in the Rates Chart.

PROHIBITION ON AERIAL USE IN FLORIDA: Not for aerial application in the State of Florida unless specifically authorized by the Florida Bureau of Entomology and the Florida Department of Agriculture and Consumer Services. (05-29-07)

READ ENTIRE LABEL BEFORE USING

Read the entire **Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability** before using this product. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of GIL Mfg., Inc. All such risks shall be assumed by the user or buyer.

Disclaimer of Warranties: There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label.

No agent of GIL Mfg. Co. Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. GIL Mfg., Inc. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product. **LIMITATION OF WARRANTIES:** The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at GIL Mfg., Inc.'s option, the replacement of the product.

(05-23-05)

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