

11930-2

11/09/2004

Label Unit 1 of 3

OMEGO MIST MAC

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For Application only by Public Health Officials and Trained Personnel of Mosquito Abatement Districts and Other Mosquito Control Programs. OMEGO MIST MAC is an All Temperature, Quick Knockdown, Low Odor, Non-Corrosive, Synergized, Synthetic Pyrethroid for use in the control of Adult mosquitoes, Biting and Non-Biting Midges, Black flies and Cluster Flies in Residential, Recreational, and Non-Crop Areas.

For Control of Adult Mosquitoes

EPA Reg. No. 11930-2 EPA Est. No. 11930-AL-1

ACTIVE INGREDIENTS:

Permethrin: CAS [52645-53-1] ----- 30.0%

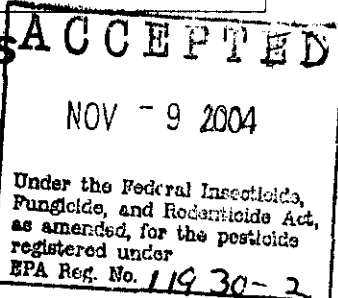
Piperonyl Butoxide CAS [51-03-6] ----- 30.0%

OTHER INGREDIENTS*: ----- 40.0%

Total 100.0%

* Contains Petroleum Distillate

Product Contains 2,588 lbs. A.I. Permethrin per gallon
and 2,588 lbs. A.I. Piperonyl Butoxide per gallon.

**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 SWALLOWED - Immediately call a Poison Control Center or doctor. Do not induce vomiting unless told to 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 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. **NOTE:** Have this product container or label with you when calling a poison control center or doctor or when going for treatment.

Read entire label for Additional Precautionary Statements

NOTE TO PHYSICIAN: *Solvent presents an aspiration hazard. Gastric lavage is indicated if material was taken internally. Vomiting may cause aspiration pneumonia.

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

CAUTION: Harmful if swallowed or absorbed through the skin, or inhaled. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently 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 fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift and runoff from treated areas. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not allow spray treatment to drift to pastureland, cropland, poultry ranges or water supplies. Do not contaminate water when disposing of equipment washwaters.

Bee Warning: 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 onto blooming crops or weeds while bees are actively visiting the treatment areas.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

NOTICE:

Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label. (08-22-02)

Net Contents: (1) (5); (30); Gallons

Gil Manufacturing, Inc.

P.O. Box 230224 - Montgomery, AL 6123 U.S.A.

OMEGO MIST MAC

For Control of Adult Mosquitoes

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DIRECTIONS FOR USE

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

HOW TO APPLY

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 0.9636 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. Do not apply this product within 100 feet (30 Meters) of lakes and streams. 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. Repeat treatment when recommended by Public Health officials, or mosquito Abatement Districts.

THERMAL AEROSOL FOGGING

TRUCK MOUNTED - Apply **OMEGO MIST MAC** diluted or undiluted with Suitable Thermal Fogging equipment. Droplet size of thermal "fog" will be very small usually in the 0.1 to 1.0 micron range. 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. Do not exceed the maximum rates. May be applied at speeds of 5 m.p.h. up to 20 m.p.h. For use with **Hand Carried and/or Lawn Mower Foggers**, use the same rates of A.I. per acre with a 50 foot swath width at a walking speed of 2 m.p.h. Do not fog to wet foliage. Do not fog when wind conditions exceed 10 miles per hour. Only use a clean, well maintained, and properly calibrated Fogger, known to give excellent performance. Fog Down wind. Apply **OMEGO MIST MAC** to deliver 0.00175 to 0.01850 lb. of Permethrin a.i. and 0.00175 to 0.01850 lb. Piperonyl Butoxide a.i. per acre.

USE AS AN INSECT BARRIER TREATMENT

For use in Non-Thermal ULV, motorized, portable, Backpack, Fog type Mist Blower equipment apply **OMEGO MIST MAC** with equipment adjusted to deliver ULV particles of 50 to 100 mass median diameter. **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 .0185 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 / acre.

*AERIAL APPLICATION

Aerial applications with **ULTRA LOW VOLUMES** of **OMEGO MIST MAC** at the Application Tables rates, may be considered necessary when conducted at the discretion of Public Health Officials, Mosquito Abatement Districts, or other trained personnel engaged in outdoor Mosquito and flying insect control programs when these insects threaten to become a public health hazard. Application should be made by suitable aerial U.L.V. equipment capable of producing droplets with an MMD of 50 microns or less with no more than 2.5% exceeding 100 microns at an altitude of 300 feet and a forward speed of 150 m.p.h. achieving an effective swath width of 500 feet. Flow rate and swath width should be set so as to not exceed 0.9636 fluid ounce (0.0185 # permethrin and 0.0185# piperonyl butoxide a.i.) per acre. **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.

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE and SPILL PROCEDURE:** Store upright at room temperatures. Do not expose to extreme temperatures. In case of spill or leakage, ventilate the area, wear chemical resistant gloves, and footwear. Soak-up the liquid with absorbent material such as sawdust, soil, fuller's earth, etc. Dispose of the resulting, chemical waste, as follows. **PESTICIDE DISPOSAL:** Wastes resulting from a spill or the use of this product may be disposed of on site, or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Metal Containers- Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic Containers - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

12-02-02

Gil Manufacturing, Inc.

P.O. Box 230224
Montgomery, AL 6123 U.S.A.

OMEGO MISTTM MAC

Label Unit 3 of 3

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DIRECTIONS FOR USE (continued)

ULV NON-THERMAL AEROSOL (COLD FOG)

OMEGO MIST MAC is recommended for application as an Ultra Low Volume (ULV) non-thermal aerosol (Cold Fog) to control adult mosquitoes, flies and gnats in residential and recreational areas where these insects are a problem, such as but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, recreational areas and non-crop waste areas. Do not apply within 100 feet (30 meters) of fish bearing waters. For best results treat when insects are most active and conditions are conducive to keeping the fog close to the ground. Repeat treatment when recommended by Public Health Officials or Mosquito Abatement Districts. To control Mosquitoes, Midges and Blackflies apply OMEGO MIST MAC using any standard U.L.V. ground applicator capable of producing a non-thermal aerosol fog with droplets ranging in size from 5 to 30 microns in diameter and a mass median diameter (MMD) of 15 to 20 microns, (droplets should not exceed 50 microns and less than 5% of drops should be below 5 microns), with an application swath width of 300 feet. When applying this product undiluted, apply at a flow rate of 0.5472 to 5.7816 ounces per minute at an average vehicle speed of 10 M.P.H. These rates are equivalent to 0.00175 to 0.0185 pound of permethrin a.i. and 0.00175 to 0.0185 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 with 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 below. If an alternate dilution is required, adjust the flow rate accordingly, provided droplet size and spectrum remain within label specifications. Do not exceed a flow rate of 20 oz. per minute unless recommended by equipment manufacturers and/or Public Health Officials when diluted 1 to 4 or 1 to 8 and high vehicle speeds of 15 to 20 m.p.h. are necessary in emergency conditions and when fogging equipment is capable of such higher rates output per minute.

CONDITIONS AND RATES TO USE OMEGO MIST MAC UNDILUTED

pounds a.i. per acre		APPLICATION RATES				FL.OZ. of OMEGO MIST
PERMETHRIN	PBO	FL.OZ. PER MINUTE AT M.P.H				MAC per ACRE
		5 MPH	10 MPH	15 MPH	20 MPH	
0.01850	0.01850	2.7474	5.4950	8.24255	10.9900	0.9158
0.00700	0.00700	1.0396	2.0792	3.1188	4.1584	0.3465
0.0035	0.00350	0.5198	1.0392	1.5594	2.0792	0.1732
0.00175	0.00175	0.2598	0.5196	0.7794	1.0392	0.0866

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 a.i. per acre		Application Rates				Fl. oz. finished spray per acre
PERMETHRIN	PBO	Fl. oz. per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	5.1980	10.3960	15.5940	20.7920	1.7326
0.00350	0.00350	2.5965	5.1930	7.7895	10.3860	0.8655
0.00175	0.00175	1.2995	2.5990	3.8985	5.1984	0.4332

FOR A 1:8 DILUTION

Mix 1 part OMEGO MIST MAC with 8 parts Suitable Mineral Oil; apply as follows:

pounds a.i.'s per acre		Application Rates				Fl. oz. finished spray per acre
PERMETHRIN	PBO	Fl. oz. per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	9.3480	18.6960	28.0440	37.3920	3.1166
0.00350	0.00350	4.6749	9.3499	14.0249	18.6999	1.5583
0.00175	0.00175	2.3374	4.6749	7.0124	9.3499	0.7791

FOR A 1:2 DILUTION

Mix 1 part OMEGO MIST MAC with 2 parts Suitable Mineral Oil; apply as follows:

pounds a.i.'s per acre		Application Rates				Fl. oz. finished spray per acre
PERMETHRIN	PBO	Fl. oz. per Minute at Vehicle Speeds				
		5 MPH	10 MPH	15 MPH	20 MPH	
0.00700	0.00700	3.1161	6.2323	9.3485	12.4647	1.0387
0.00350	0.00350	1.5580	3.1161	4.6742	6.2323	0.5193
0.00175	0.00175	0.7790	1.5580	2.3371	3.1161	0.2596

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