



# OMEGA MIST™ - OSC

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.

A Quick Knockdown, Low Odor, Non-Corrosive, Synergized, Synthetic Pyrethroid for the control of Adult Mosquitoes in Residential, Recreational, and Non-crop waste Areas.

Also for use against Biting and Non-Biting Midges, and Black flies. Do not spray on or allow drift onto pastureland, cropland, (other than those crops listed ), or potable water supplies.

## HOW TO APPLY and WHEN TO USE

RATES CHART NO. 1 - FOR USE OF OMEGA MIST OSC UNDILUTED						
CONDITIONS AND RATES TO USE OMEGA MIST™ OSC UNDILUTED FOR MOSQUITO CONTROL						
lbs. a.i. per Acre		Application Rates Fluid Ounces per Minute at Vehicle speeds				Fluid Ounces and (Millimeters) Per Acre
Permethrin	PBO	5 mph	10 mph	15 mph	20 mph	
0.0070	0.0070	9.2933	18.5865	27.8798	37.17308	3.0977 (91.61 ml)
0.0035	0.0035	4.6644	9.3288	13.9932	18.6576	1.5548 (45.80 ml)
0.0010	0.0010	1.3275	2.6550	3.9825	5.3100	0.4425 (13.08 ml)

RATES CHART NO.2 - DILUTE 1 PART TO 1 PART MINERAL OIL						
AMOUNTS TO USE AFTER DILUTING 1 PART OMEGA MIST OSC WITH 1 PART MINERAL OIL						
lbs. a.i. per Acre		Application Rates Fluid Ounces per Minute at Vehicle speeds				Fluid Ounces and (Millimeters) Per Acre
Permethrin	PBO	5 mph	10 mph	15 mph	20 mph	
0.0070	0.0070	18.5893	37.1786	55.7680	74.3673	6.1964 (183.25 ml)
0.0035	0.0035	9.2946	18.5892	27.8838	37.1784	3.0982 (91.62 ml)
0.0010	0.0010	3.6556	5.3112	7.9668	10.6224	0.8852 (26.18 ml)

Apply when temperatures are above 50°F and wind speed is equal to or is equal to or is greater than 1 mph. 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. OMEGA MIST OSC 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 3.0977 fl. oz. of OMEGA MIST OSC, 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 "FOR DILUTION" Rates charts on this label.

OMEGA MIST OSC 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. Repeat treatment when recommended by Public Health Officials or Mosquito Abatement Districts.

**IMPORTANT:** Do not re-treat a site more than once in 24 hours and no more than 2 applications should be made to a 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).

### MAY BE APPLIED OVER THE FOLLOWING CROPS

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

EPA Reg. No. 11930-3

EPA Est. No. 62788-AL-1

### ACTIVE INGREDIENTS:

Permethrin; [CAS 52645-53-1] ..... 4.0%  
Piperonyl Butoxide Technical; [CAS 51-03-5] ..... 4.0%

OTHER INGREDIENTS:\* ..... 92.0%

Total 100.0%

\*Contains a Petroleum Distillate Solvent.

OMEGA MIST OSC Contains 0.2892 lb. A.I. Permethrin and 0.2892 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”  
(If you do not understand the label, find someone to explain it to you in detail).

### 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 any thing 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.

**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.

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

**HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor, or when going for treatment.

You may also call 1-800-858-7378 for emergency medical treatment advice.

READ ENTIRE LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Contains petroleum distillate. Harmful if swallowed, inhaled or absorbed through the skin. 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. 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.

### 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:** Nonrefillable; 2 1/2; 5; 30; 55 gallon container. Do not reuse or refill this container. Offer for reconditioning if appropriate. Refillable 275 gallon container. Refill this container with pesticide only. Do not use this container for any other purpose. Clean container promptly after emptying. (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. \*Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 08-08-08

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## GROUND APPLICATIONS ULV NON-THERMAL AEROSOL (COLD FOG)

To control Mosquitoes, Midges and Blackflies apply OMEGA MIST OSC using truck mounted ground ULV (cold fog) equipment. Spray equipment must be adjusted so the volume median diameter is less than 30 microns (Dv 0.5 < 30 microns) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 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. 05-29-07

When applying this product undiluted, apply at a flow rate of 2.6550 to 18.5865 ounces per minute at an average vehicle speed of 10 M.P.H. These rates are equivalent to 0.001 to 0.007 pound of permethrin a.i. and 0.001 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. OMEGA MIST OSC 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. per 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. (04-10-07)

### THERMAL AEROSOL FOGGING

Apply OMEGA MIST OSC 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 from 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 (Dv 0.5-30 microns), and that 90% of the spray is contained in droplets smaller than 50 microns. (Dv 0.9 < 50 microns), and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 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 OMEGA MIST OSC can be made to deliver 0.001 to 0.007 lb. of permethrin a.i. per acre and 0.001 lb. to 0.007 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 OMEGA MIST OSC with equipment adjusted to deliver ULV size droplets with a volume median diameter of 50 to 100 microns. OMEGA MIST OSC may be applied undiluted or diluted (see Application Rates Charts on this label. If diluted use a 30 to 100 second viscosity mineral oil, or another, (if recommended by Public Health Officials), suitable non-phytotoxic diluent. Use 0.001 to 0.007 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, (0.001 to 0.007 lb.) of Permethrin a.i. and Piperonyl Butoxide a.i. is applied per acre. When this product is applied 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 OMEGA MIST OSC according to the application rate tables on this label. Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 microns), and that 90% of the spray is contained in droplets smaller than 100 microns (Dv 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 or rotary aircraft shall be 100 feet. The recommended air speed 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 OMEGA MIST OSC a.i. per acre. Do not exceed 0.007 lb. Permethrin a.i. per acre or 3.0977 undiluted fluid ounces per acre of OMEGA MIST OSC as listed in the Rates Charts on this label.

**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)

### NOTICE: 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. Co., 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. Co., 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. Co., Inc.'s option, the replacement of the product. 05-29-07

FOR MORE INFORMATION CALL 1-800-445-0180

Net Contents 2 1/2 Gal ■ 5 Gal ■ 30 Gal ■ 55 Gal ■ 275 Gal ■ Lot No. \_\_\_\_\_

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