**ACTIVE INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin (3-Phenoxyphenyl) methyl (+/-) cis, trans-3-(2,2-dichlorethenyl)-2,2-dimethyl cyclopropanecarboxylate</td>
<td>30.0%</td>
</tr>
<tr>
<td>Piperonyl Butoxide*</td>
<td>30.0%</td>
</tr>
<tr>
<td>OTHER INGREDIENTS**</td>
<td>40.0%</td>
</tr>
</tbody>
</table>

Contains 2.5 pounds of Permethrin and 2.5 pounds of PBO per gallon

*PBO, (butyl carbityl)(6-propylpiperonyl) ether and related compounds

** 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 CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 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 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. 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. Call a poison control center or doctor for further treatment advice.

For More Information Call: 1-800-323-5727

In case of transportation emergency, call INFO-TRAC 1-800-553-5053

**MANUFACTURED FOR**

CLARKE MOSQUITO CONTROL PRODUCTS, INC.
159 N. GARDEN AVE - ROSELLE, ILLINOIS 60172

BIOMIST® is a Registered Trademark of Clarke Mosquito Control Products, Inc.

EPA EST. No. 8329-IL-01
EPA Reg. No. 8329-42

AL0407J
**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION.** Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**Personal Protective Equipment (PPE):** Some materials that are chemical-resistant to this product are: barrier laminate, nitrile rubber, neoprene rubber, or Viton. Mixers, loaders, applicators, and other handlers must wear long-sleeve shirt and long pants, shoes plus socks. In addition, all handlers except for applicators using motorized ground equipment, pilots and flaggers, must wear chemical-resistant gloves. In addition, mixers/loaders, persons cleaning equipment, and other persons exposed to the concentrate must wear a chemical-resistant apron. 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 coloring and other material that has been deterred by or contaminated with the product’s concentrate. Do not reuse them.

**Engineering Controls:** Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40CFR170.240(d)(6)). Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

**USER SAFETY REQUIREMENTS:** 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 gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of 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, perennial 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.

**HAZARDS TO DOMESTIC CATTLE, Hogs, Sheep, Goats, Poultry, and Other Domestic Animals**

Do not store near fire or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Not for use in metered release systems. Not for use in outdoor residential mixing systems. Do not contaminate crop land (other than crops listed), or potable water supplies with spray drift. Do not make applications during rain.

**USE INFORMATION**

**BIOMIST 30+30 ULV** is approved for applications as a thermal aerosol and an ultra low volume (ULV) nonthermal aerosol (Cold Fog) to control adult mosquitoes. BIOMIST 30+30 ULV is approved for applications as a thermal aerosol and an ultra low volume (ULV) nonthermal aerosol (Cold Fog) to control adult mosquitoes.

**APPLICATION**

BIOMIST 30+30 ULV may be applied through a standard ULV cold aerosol or non-thermal aerosol (Cold Fog) generator undiluted at a flow rate of 0.5 to 2.2 fluid ounces per minute, and an average vehicle speed of 10 MPH. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.007 to 0.025 lbs of each active ingredient per acre. BIOMIST 30+30 ULV may also be applied as a broadcast dust with a suitable solvent such as mineral oil and applying as so as not to exceed 0.007 pounds Permethrin per acre. The following charts represent suggested dilution and application rates for ground ULV applications. An alternate dilution rate is used, adjust flow rate accordingly. Vary flight rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high. Failure to follow the above directions may result in reduced effectiveness.

**GROUND ULV APPLICATION**

Apply BIOMIST 30+30 ULV through a standard ULV cold aerosol or non-thermal aerosol (Cold Fog) generator undiluted at a flow rate of 0.5 to 2.2 fluid ounces per minute, and an average vehicle speed of 10 MPH. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.007 to 0.025 lbs of each active ingredient per acre. BIOMIST 30+30 ULV may also be applied as a broadcast dust with a suitable solvent such as mineral oil and applying as so as not to exceed 0.007 pounds Permethrin per acre. The following charts represent suggested dilution and application rates for ground ULV applications. An alternate dilution rate is used, adjust flow rate accordingly. Vary flight rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high. Failure to follow the above directions may result in reduced effectiveness.

**AERIAL APPLICATION**

BIOMIST 30+30 ULV may be applied at rates up to 0.36 lb/1000 ft². BIOMIST 30+30 ULV per acre by fixed wing or rotary aircraft equipped with suitable ULV application equipment. BIOMIST 30+30 ULV may also be diluted with a suitable solvent such as mineral oil and applied by aerial ULV equipment as long as 0.007 pounds of permethrin or PBO per acre is not exceeded. Do not apply by fixed wing aircraft at a height less than 100 feet, or by helicopter at a height less than 75 feet unless specifically approved by the state or tribe based on public health needs. Aerial applications shall only be made when recommended by public health officials and trained personnel of mosquito abatement districts and other mosquito control programs.

**IN FLORIDA:** Aerial applications of this product require trained personnel to perform industry accepted assays to monitor resistance formation in targeted mosquito species.
CONDITIONS and RATES to USE for MOSQUITO CONTROL - UNDILUTED

For a 1:2 BIOMIST 30+30 ULV/SOLVENT DILUTION RATIO, Mix one (1) part BIOMIST® 30+30 ULV with two (2) parts solvent and apply at the following rates.

<table>
<thead>
<tr>
<th>Pounds per Acre</th>
<th>Application Rates Fl.oz./Min.</th>
<th>Fl.oz. BIOMIST 30+30 ULV per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.007</td>
<td>1.1</td>
<td>0.36 per Acre</td>
</tr>
<tr>
<td>0.0035</td>
<td>0.5</td>
<td>0.18 per Acre</td>
</tr>
<tr>
<td>0.00175</td>
<td>0.3</td>
<td>0.09 per Acre</td>
</tr>
</tbody>
</table>

For a 1:8 BIOMIST 30+30 ULV/SOLVENT DILUTION RATIO, Mix one (1) part BIOMIST® 30+30 ULV with eight (8) parts solvent and apply at the following rates.

<table>
<thead>
<tr>
<th>Pounds per Acre</th>
<th>Application Rates Fl.oz./Min.</th>
<th>Fl.oz. BIOMIST 30+30 ULV per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.007</td>
<td>5.4</td>
<td>1.79 per Acre</td>
</tr>
<tr>
<td>0.0035</td>
<td>2.7</td>
<td>0.90 per Acre</td>
</tr>
<tr>
<td>0.00175</td>
<td>1.4</td>
<td>0.45 per Acre</td>
</tr>
</tbody>
</table>

STORAGE & DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller’s earth, etc. Dispose of with chemical waste.

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

CONTAINER HANDLING: 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 1/4 full with mineral oil and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or 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.

IN CASE OF MEDICAL EMERGENCY, CALL THE INTERNATIONAL POISON CONTROL CENTER 1-800-214-7753

IN CASE OF TRANSPORTATION EMERGENCY, CALL INFO-TRAC 1-800-553-5053

KEEP OUT OF REACH OF CHILDREN

FIRST AID

Have product container or label with you when calling a poison control center or doctor, or going for treatment. For Medical Emergencies, call the International Poison Control Center at 1-800-214-7753.

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 CLOTHING:
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 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 15-20 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. Call a poison control center or doctor for further treatment advice.

KEEPS OUT OF REACH OF CHILDREN

MANUFACTURED FOR
CLARKE MOSQUITO CONTROL PRODUCTS, INC.
159 N. GARDEN AVE - ROSELLE, ILLINOIS 60172

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EPA Est. No. 8329-IL-01
EPA Reg. No. 8329-42

For Use Outdoors as an Ultra-Low Volume (ULV) Application to Control Adult Mosquitoes in Residential and Recreational Areas. Also for use against Biting and Non-Biting Midges and Blackflies. For use only 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.

ACTIVE INGREDIENTS
Permethrin (3-Phenoxyphenyl) methyl (+/-) cis, trans-3-(2,2-dichlorethenyl)-2,2-dimethyl cyclopropanecarboxylate ............................................... 30.0%

Piperonyl Butoxide* ......................................................................................................... 30.0%

OTHER INGREDIENTS**
Contains 2.5 pounds of Permethrin and 2.5 pounds of PBO per gallon

*PBO, (butyl carbityl)(6-propylpiperonyl) ether and related compounds

**Contains petroleum distillate

Notice: To the extent provided by law, seller makes no warranty, expressed or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use/handling of this material when use and/or handling is contrary to label instructions.
**CLOTHING:**
- Wear long-sleeve shirt and long pants, shoes plus socks. In addition, all handlers except for applicators using pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead agency are required to wear suitable clothing to avoid contact with the material.
- All handlers except for applicators using pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead agency are required to wear suitable clothing to avoid contact with the material.

**ENVIRONMENTAL HAZARDS:**
- This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Runoff of treated areas or disposal of spray droplets into a body of water is hazardous to fish and aquatic organisms. Before use, contact local fish and wildlife officials to determine if aquatic organisms are present, and weather conditions will facilitate movement of spray droplets or drift from spray fields into water. Take necessary precautions to minimize runoffs to the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.
- This product has a high vapor pressure. Use in closed or poorly ventilated areas may cause suffocation and serious eye irritation. 

**PHYSICAL OR CHEMICAL PROPERTIES:**
- This biocidal product is a stable liquid. It is easily dissolved in water, alcohol, ketones, and chlorinated hydrocarbons. Runoff from treated areas or disposal of spray droplets into a body of water is hazardous to fish and aquatic organisms. Before use, contact local fish and wildlife officials to determine if aquatic organisms are present, and weather conditions will facilitate movement of spray droplets or drift from spray fields into water. Take necessary precautions to minimize runoffs to the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

**DIRECTIONS FOR USE**
- Use is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
- This product must not be used in mixed applications. Do not use in the presence of other disease vectors. Do not use containers used for other biocidal products. Do not use with water, other chemicals, or other biocidal products in the presence of other disease vectors.

**APPLICATION INFORMATION:**
- FOR BEST RESULTS TREAT WHEN MOSQUITOES ARE MOST ACTIVE AND WEATHER CONDITIONS ARE CONducTIVE TO KEEPING THE MOSQUITO POPULATION. USE HIGHER FLOW RATE IN HEAVY VEGETATION OR WHEN POPULATIONS ARE HIGH.

**APPLICATION RATES**

<table>
<thead>
<tr>
<th>Application Rates</th>
<th>Fl.oz./Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fl.oz. BIOMIST 30+30 ULV</td>
<td>0.00175 2.4 4.9 7.3 9.8 0.81</td>
</tr>
<tr>
<td>Per Acre</td>
<td>0.007 3.3 6.5 9.8 13.0 1.08</td>
</tr>
<tr>
<td>Application Rates</td>
<td>Fl.oz./Min.</td>
</tr>
<tr>
<td>-------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Fl.oz. finished spray</td>
<td>0.00175 2.4 4.9 7.3 9.8 0.81</td>
</tr>
<tr>
<td>Per Acre</td>
<td>0.007 3.3 6.5 9.8 13.0 1.08</td>
</tr>
</tbody>
</table>

**GROUND APPLICATION**
- BIOMIST 30+30 ULV is approved for applications as a thermal aerosol and an ultra low volume (ULV) application. To reduce material cost and sludge buildup in equipment, use a 60-100-second premix to 1:4 for BIOMIST 30+30 ULV/SOLVENT DILUTION RATIO: Mix one part BIOMIST 30+30 with four parts solvent, and apply through a standard ULV cold aerosol or non-thermal fogging equipment. BIOMIST 30+30 ULV may be diluted with a suitable solvent such as mineral oil and applied by aerial ULV equipment at rates up to 0.007 pounds permethrin per acre by fixed wing or rotary aircraft equipped with suitable ULV application equipment. BIOMIST 30+30 ULV may also be used with a standard solvent such as isopropyl alcohol and an approved ULV equipment at rates up to 0.007 pounds permethrin per acre by fixed wing or rotary aircraft equipped with suitable ULV application equipment. The following charts suggest dilution and application rates for ULV applications. ULV applications shall not be made within 50 feet of a water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.

**PESTICIDE STORAGE AND SPILL PROCEDURES:**
- Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, or clay. Dispose of with chemical waste.

**DISPOSAL & STORAGE**
- Do not contaminate water, food, or feed by overflow or improper disposal. Pesticide storage and spill procedures shall be followed at all times. Store in original container. Return any unused product to the original container. Do not allow the product to come in contact with food, feed, or water supplies. 

**REACH:**
- The Pesticide Act of 1996 requires product registrants to provide information to the public, including the manufacturer, on the presence of substances with certain characteristics. This product contains:

  - Ace Diazinon, an organophosphate insecticide, and:
  - Parathion, an organophosphate insecticide, and:
  - Chlorpyrifos, an organophosphate insecticide.

**NOTICE TO THE PUBLIC:**
- The manufacturer must provide the public with the most current information that the manufacturer knows or has reason to know is correct. The manufacturer must provide the information in a format that is easily accessible and understandable to the public.