



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

AUG - 9 2001

Karen J. Larson, M.S.  
Regulatory Affairs Specialist  
Clarke Mosquito Control Products, Inc.  
159 N. Garden Avenue  
Roselle, IL 60172

Subject: Label Amendment: Removal of all instructions for EC uses, Container size larger than 15 gallons (remove restricted classification)  
Mosquitomist Two U.L.V. (Chlorpyrifos)  
EPA Reg. No. 8329-18  
Submission dated May 9, 2001, "Acceptable with comments"

Dear Ms. Larson:

The revised labeling referenced to above, submitted in connection with the registration under the Federal Insecticide, fungicide, and Rodenticide Act (FIFRA) as amended, is accepted with the following comments:

1) Use the term "First Aid" instead of "Statement of Practical Treatment" and you may choose to use the First Aid statement recommended by PR Notice 2001-1.

2) Your "Note to Physician" should also include the statement: Contains petroleum distillate, Vomiting may cause aspiration pneumonia.

A stamped copy "accepted with comments" of the label is enclosed for your records. Please submit three (3) copies of the final printed before shipment. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in cursive script that reads "Akiva Abramovitch".

Akiva Abramovitch, Ph.D.

Chemist

Insecticide-Rodenticide Branch

Registration Division (7505C)



# MOSQUITOMIST TWO

For application by public health officials, personnel of mosquito abatement districts and other agencies or personnel under contract to these entities. For Use Outdoors to Control Adult Mosquitoes in Residential and Recreational Areas.

## Precautionary Statements

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** May be fatal if swallowed. Avoid breathing spray mist. May cause eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Do not use on crops used for food, forage or pasture.

### STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting because of aspiration hazard.  
 If on Skin: Wash thoroughly with soap and water.  
 If in Eyes: Flush with plenty of water. Get medical attention if irritation persists  
 Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Atropine by injection is antidotal only if symptoms of cholinesterase inhibition are present. 2-PAM is also antidotal when given in conjunction with atropine.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. Clean up spilled product to reduce exposure to wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

### PHYSICAL AND CHEMICAL HAZARDS

Do not 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.

## CONDITIONS and RATES to USE for MOSQUITO CONTROL

Amount to Use Per Acre		Number Acres
MOSQUITOMIST TWO (fluid ounces)	Chlorpyrifos pounds	1 gallon of MOSQUITOMIST TWO Will Treat
Adult Ground U.L.V.		
0.65 to 1.6	0.01 to 0.024	194 to 80
Adult Aerial U.L.V.		
0.65 to 1.6	0.01 to 0.024	194 to 80

ACTIVE INGREDIENT:	
Chlorpyrifos [0,0-diethyl 0-(3, 5, 6, -trichloro-2-pyridyl) phosphorothioate]	24.60%
INERT INGREDIENTS	75.40%
	100.00%

Contains Petroleum Distillates.

**KEEP OUT OF REACH OF CHILDREN.**  
**WARNING**

MAY BE FATAL IF SWALLOWED  
 MAY CAUSE IRRITATION  
 Avoid breathing of mist  
 Avoid contact with skin or eyes. In case of contact, flush skin or eyes with plenty of water.  
 Wash thoroughly after handling.  
 Do not contaminate food or feed products.  
 SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MANUFACTURED BY  
**CLARKE MOSQUITO CONTROL PRODUCTS, INC.**

159 N. GARDEN AVENUE • ROSELLE, ILLINOIS 60172

E.P.A. EST. No. 83291L01  
 E.P.A. Reg. No. 8329-18

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**AUG 9 2001**

### NET CONTENTS

Under the Federal Insecticide, Fungicide and Rodenticide Act, the use of this product other than as indicated on the label is prohibited. Buyer assumes all risk of use and/or handling of this material when use and/or handling is contrary to label instructions.  
 Registered under EPA Reg. No. 8329-18

## RECOMMENDED OF ADULT

CLARKE'S MOSQUITOMIST TWO U.L.V. in residential, recreational

**U.L.V. Nonthermal Aerosol (Cold Fog) Application:** Apply Low Volume) ground applicator capable of producing a nonthermal mass medium diameter (MMD) of 10 to 20 microns. To determine equipment to deliver CLARKE MOSQUITOMIST TWO U.L.V. at a drop on an effective swath width of 300 feet. To obtain this rate apply 1 and an average vehicle speed of 10 mph. Under normal residential vehicle speed is used, adjust rate accordingly. An accurate flow meter mount the U.L.V. applicator so that the nozzle is at least 4 1/2 feet follow the above directions may result in reduced effectiveness. an altitude of 300 ft. and a forward speed of 150 miles per hour, a fluid ounces per minute to achieve a dosage rate of 0.024 pounds U.L.V.) This product may also be diluted with a suitable diluent spray as long as the maximum rate of active ingredient per acre does not

**IN FLORIDA:** Do not apply by aircraft except in emergency situations and Consumer Services.

- Directions for Determining the Droplet Size and MMD** for measurement using glass microscope slides (1 x 3 inches) coated with a solution of one part silicone to 9 parts of acetone, allow to dry. To collect droplets, wave the treated slides through the aerosol cloud perpendicular to the path of aerosol movement. Collect droplets on slides. Determine droplet size and calculate MMD by the following:
- Using a microscope with an eyepiece micrometer and 450 x magnification, count the number of impinging droplets on each slide.
  - Tabulate the number of droplets (N) falling within each size category.
  - Multiply D x N for each size category.
  - Divide D x N for each size category by the sum of the products of D x N for all size categories to determine the percentage of droplets in each size category.
  - Determine the accumulative percentage for each size category, starting with the smallest size category.
  - Determine the size category that most closely corresponds to 50% in eyepiece divisions.
  - Convert the above MMD to microns by determining the number of divisions multiplying this value by the estimated MMD in eyepiece divisions.
  - The MMD determined in Step 7 must then be corrected for droplet velocity factor). The value thus calculated is the true MMD in microns.
- NOTE:** Measure droplet size and determine MMD when the applicator is used and after every 50 hours of operation.

## STORAGE

- PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal.
- PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that is not to be applied should be disposed of in accordance with applicable Federal, State or local procedures.
- CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reuse in accordance with approved State and local procedures. Puncture container before disposal.
- GENERAL: Consult Federal, State or local disposal authorities for disposal instructions.

FOR MORE INFORMATION CALL:  
 1-800-323-5727