

Reg # 83290 - 24

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MAR 27 1992

Mr. A. Kevin Magro
Clarke Mosquito Control Products
159 Garden Avenue
P.O. Box 72288
Roselle, Illinois 60172

Subject: Revised Labeling--Change of Product Name
Mosquitomist One ULV
(formerly Dursban One ULV Mosquitocide)
EPA Registration Number 8329-24
Your Submission Dated February 28, 1992

Dear Mr. Magro:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, is acceptable. A stamped copy is enclosed for your records.

Your request to change the official name of record of this product to:

Mosquitomist One ULV

is acceptable. We have amended our records to show the new name.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

ACCEPTED

MAR 1 1992

Registered under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 100-400000



CLARKE

MOSQUITOMIST ONE U.L.V.

For Application by Trained Personnel Only. For Use Outdoors to control adult mosquitoes in Residential and Recreational Areas.

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

AVOID harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water if handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Bees, honey bees, bumble bees, and other wild bees are highly susceptible and may be killed at application rates recommended for this label. Do not apply to lakes, streams or ponds where these are considered important fisheries. Consult your State Fish and Game Department before applying to such waters. Do not apply where birds are likely to be present. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment wash-water. Apply this product only to the target pest.

PHYSICAL AND CHEMICAL HAZARDS

DIRECTIONS FOR USE

CONDITIONS and RATES to USE for MOSQUITO CONTROL

Apply MOSQUITOMIST ONE U.L.V. to the target pest. Do not apply to water bodies. Do not apply to areas where bees, honey bees, bumble bees, and other wild bees are present. Do not apply to areas where birds are likely to be present. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment wash-water. Apply this product only to the target pest.

ACTIVE INGREDIENT
Cyfluthrin (0.0125% D.O.F.) 5.000000 100.00
2-Diethyl phosphorothioate 100.00
INERT INGREDIENTS 100.00

USE ONLY BY TRAINED PERSONNEL
FOR THE CONTROL OF MOSQUITOES
BY THERMAL FOGGING OR ULTRAVIOLET
LIGHT (U.V.) FOGGING METHODS ONLY
DO NOT APPLY TO WATER BODIES
OR TO AREAS WHERE BIRDS OR BEES
ARE LIKELY TO BE PRESENT

CAUTION
KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICE
FOR THE CONTROL OF MOSQUITOES
BY THERMAL FOGGING OR ULTRAVIOLET
LIGHT (U.V.) FOGGING METHODS ONLY
DO NOT APPLY TO WATER BODIES
OR TO AREAS WHERE BIRDS OR BEES
ARE LIKELY TO BE PRESENT

CLARKE MOSQUITO CONTROL PRODUCTS, INC.

NET CONTENTS

Thermal Fog Application: To prepare fog solution thoroughly mix 9 gallons of CLARKE MOSQUITOMIST ONE U.L.V. in 91 gallons of No. 2 fuel oil or other fuel (diesel) or kerosene type oil suitable for insecticide and fogging use. Apply the finished fog solution with any standard thermal fog machine calibrated to deliver 50.5 gallons per hour at an average vehicle speed of 5 mph to cover a swath of up to 300 feet.

U.L.V. Nonthermal Aerosol (Cold Fog) Application: Apply CLARKE MOSQUITOMIST ONE U.L.V. using any standard U.L.V. fogger capable of producing a nonthermal aerosol spray with droplets ranging in size from 5 to 30 microns and a maximum diameter (MMD) of 10 to 15 microns. Determine droplet size and MMD following the accompanying instructions. Calibrate the equipment to deliver 10 to 15 gallons of CLARKE MOSQUITOMIST ONE U.L.V. at a dosage equivalent to 0.25 to 0.50 pounds of active ingredient per acre. For proper application, use a flow rate of 3.88 to 4.3 fluid ounces per minute per acre at an average vehicle speed of 10 mph. Under non-wind conditions a flow rate of 4.3 fluid ounces per acre is recommended. If a different vehicle speed is used, adjust the flow rate accordingly. An accurate flow meter must be used to determine the proper flow rate. For proper application, the fogging application should be made at least 4 feet above the ground and directed out the back of the vehicle. Failure to follow the directions may result in reduced efficacy, fumes, and possible injury to persons. Do not use in areas where birds, bees, and other insects are present. Do not use in areas where bees, honey bees, bumble bees, and other wild bees are present. Do not use in areas where birds are likely to be present. Do not use when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment wash-water. Apply this product only to the target pest.

Directions for Determining the Droplet Size and MMD of U.L.V. Nonthermal Aerosols Using CLARKE MOSQUITOMIST ONE U.L.V.

1. Determine the droplet size and MMD of the aerosol using a laser diffraction particle sizer. The droplet size and MMD should be determined at a distance of 100 feet from the point of discharge. The droplet size and MMD should be determined at a distance of 100 feet from the point of discharge. The droplet size and MMD should be determined at a distance of 100 feet from the point of discharge.

2. Tabulate the number of droplets (N_i) falling within each category (as measured in eyepiece divisions).
3. Multiply D_i × N_i for each size category.
4. Divide D_i × N_i for each size category by the sum of the D_i × N_i for all size categories. The values obtained are the percentage of droplets falling within the size category.
5. Determine the cumulative percentage for each size category by a cumulative addition of the percentages calculated in step 4, starting with the smallest size.
6. Determine the percentage of droplets falling within the MMD by adding the cumulative percentages for all size categories up to the MMD.
7. Convert the above MMD to microns by using the eyepiece and micrometer scale of the laser diffraction particle sizer.
8. The MMD determined in step 7 is the MMD of the aerosol. The MMD is the diameter of the droplet that has a cumulative percentage of 50% of the droplets.

STORAGE AND DISPOSAL

Store in original container. Do not use if container is damaged. Do not use if contents are not as labeled. Do not use if contents are not as labeled. Do not use if contents are not as labeled.

MADE IN THE USA
FOR MORE INFORMATION
1-800-323-5727 (Outside)
1-800-942-2555 (Inside)