Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION 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 after handling. Remove contaminated clothing and wash before reuse.

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

CLARKE MOSQUITOMIST 1.5 U.L.V. is recommended for application either as a thermal fog or as an ultra low volume (U.L.V.) nonthermal aerosol (cold fog) to control adult mosquitoes in residential and recreational areas and other non-cropland areas where these insects are a problem. For best results treat when mosquitoes are most active and weather conditions are conducive to keeping the fog close to the ground, e.g. cool temperatures and wind speed not greater than 10 mph. Application during the cool hours of the night or early morning is usually preferable. Repeat treatment as needed.

ACTIVE INGREDIENT:	
Chlorpyrifos [0,0-diethyl 0-(3, 5, 6, -trichloro-2-pyridyl) phosphorothioate]	19.36
INERT INGREDIENTS	80.64
	100.00%

Contains 1.5 pound chlorpyrifos per gallon
Contains petroleum distillates

TO BE APPLIED ONLY BY OR UNDER THE SUPERVISION OF PUBLIC HEALTH ORGANIZATIONS, MOSQUITO ABATEMENT DISTRICTS OR CERTIFIED PEST CONTROL APPLICATORS

CAUTION

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting because of aspiration hazard. Do not give anything by mouth to an unconscious person.

If on Skin: Wash thoroughly with soap and water. Get medical attention.

If in Eyes: Flush with plenty of water. Get medical attention if irritation persists.

If Inhaled: Remove victim to fresh air. If not breathing, give artifical respiration, preferably mouth to mouth. Get medical attention.

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.

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. 8329IL01
E.P.A. Reg. No. 8329-20

NET CONTENTS

NOTICE: Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when use and/or handling is contrary to label instructions.

Thermal Fog Application: To prepare a fog solution, thoroughly mix 6 gallons of CLARKE MOSQUITOMIST 1.5 U.L.V. in 94 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 52.5 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 1.5 U.L.V. using any standard U.L.V. ground applicator capable of producing a nonthermal aerosol spray with droplets ranging in size from 5 to 30 microns and a mass median diameter (MMD) of 10 to 15 microns. To determine droplet size and MMD follow the accompanying directions. Calibrate the equipment to deliver CLARKE MOSQUITOMIST 1.5 U.L.V. at a dosage equivalent to 0.005 to 0.01 pounds of chlorpyrifos per acre based on an effective swath width of 300 feet. To obtain this rate apply the product undiluted at a flow rate of 2.7 to 5.3 fluid ounces per minute and an average vehicle speed of 10 mph. Under normal residential conditions a flow rate of 4.3 fluid ounces is recommended. If a different vehicle speed is used, adjust rate accordingly. An accurate flow meter must be used to ensure the proper flow rate. For proper application, mount the fog applicator so that the nozzle is at least 4½ feet above ground level and directed out the back of the vehicle. Failure to follow the above directions may result in reduced effectiveness and oversize spray droplets, which may deposit on and permanently damage automobile paint. Aerial applications should be done by suitable aerial U.L.V. equipment at an altitude of 300 ft. and a forward speed of 150 miles per hour, achieving an effective swath width of 500 ft. Flow rate should be set at 303 fluid ounces per minute to achieve a dosage rate of .023 pounds of active ingredient per acre (2.0 fluid ounces of MOSQUITOMIST 1.5 ULV).

IN FLORIDA: Do not apply by aircraft except in emergency situations and with the approval of the Florida Department of Agriculture and Consumer Services.

Directions for Determining the Droplet Size and MMD of U.L.V. Nonthermal Aerosols Using CLARKE MOSQUITOMIST 1.5 U.L.V.: Collect droplets for measurement using glass microscope slides (1 × 3 inches) coated with silicone (General Electric SC-87 Dri-Film). To prepare the slides, dip in a solution of one part silicone to 9 parts of acetone, allow to dry, polish with lint-free paper tissue, and store in a tight slide box. To collect droplets, wave the treated slides through the aerosol cloud at a distance of 6 feet from the point of discharge, holding the slides perpendicular to the path of aerosol movement. Collect droplets on at least 2 slides and store in a tight slide box until measurements can be made. Determine droplet size and calculate MMD by the following steps.

1 Using a microscope wit
magnification, measure
sions, of 100 impinged d
2 Tabulate the number of
category (as measured i
3 Multiply D × N for each s
4 Divide D × N for each size
of D × N, i.e. Σ(D × N). Tho
each size category repre
5 Determine the accumula
gory by accumulative
calculated in Step 4, star
6 Determine the size categ
an accumulative percent
imate MMD in eyepiece
7 Convert the above MM
number of microns in e
micrometer and multiply
in eyepiece divisions (St
8 The MMD determined i
spread of the droplets or
spread factor). The valu
microns.

NOTE: Measure droplet
aerosol generator is first
adjustment, and after ev

STORAGE

1 PROHIBITIONS: Do not cont
or disposal. Open dumping
2 PESTICIDE DISPOSAL: Pesti
cannot be used according t
according to applicable Fe
3 CONTAINER DISPOSAL: Tri
recycling or reconditioning
other approved State and
before disposal.
4 GENERAL: Consult Federal,
approved alternative proce

IN CASE OF EMERGENC

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