

8329-45

06-07-2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Karen J. Larson
Clarke Mosquito Control Products
159 Garden Avenue
Roselle, IL 60172

JUN - 7 2004

Dear Ms.Larson:

Subject: Amendment - Revise per PR Notice 2001-1
Permethrin RTU
EPA Registration Number 8329-45
Your submission dated April 30, 2004

The amendment referred to above, submitted in connection with registration under with registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records.

Sincerely,

George LaRocca.
Product Manager 13
Insecticide Branch
Registration Division (7505C)

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EPA
REGISTRATION
NO. 8329-45

DRAFT LABELING

PERMETHRIN RTU

For Application Only by Public Health Officials and Trained Personnel of Mosquito Abatement Districts and Other Mosquito Control Programs. A READY TO USE SYNTHETIC PYRETHROID FOR EFFECTIVE CONTROL AND REPELLENCY OF ADULT MOSQUITOES. For Use As An Effective ULV and Barrier Spray for Control of Adult Mosquitoes, Gnats, Biting and Non-Biting Midges, Blackflies, Deer Flies and Other Biting Flies.

Active Ingredients	
Permethrin (3-Phenoxyphenyl) methyl (+/-) cis, trans-3-(2,2-dichlorethenyl)-2,2-dimethyl cyclopropanecarboxylate.....	6.92%
Other Ingredients **	93.08%
	100.00%
Contains 0.5 lb./gal. Permethrin	
* Cis/trans isomers ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.	
** Contains petroleum distillate.	

**CAUTION
KEEP OUT OF REACH OF CHILDREN**

Manufactured By
CLARKE MOSQUITO CONTROL PRODUCTS, INC.
159 N. GARDEN AVENUE
ROSELLE, ILLINOIS 60172

ACCEPTED
JUN - 7 2004
<small>Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 8329-45</small>

EPA Reg. No.: 8329-45
EPA Est. No.: _____

NET CONTENTS: _____
LOT NO.: _____

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. 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.
NOTE TO PHYSICIAN: Product contains a petroleum distillate. Vomiting may cause aspiration pneumonia.	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Caution. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms

in neighboring areas. Do not allow spray treatment to drift on pastureland, cropland, poultry ranges or water supplies. Do not contaminate water when disposing of equipment washwaters. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use 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.

CONDITIONS AND RATES TO USE FOR MOSQUITO CONTROL / FOR A BARRIER SPRAY: This product is effective for reducing mosquito annoyance and control of mosquitoes that may transmit diseases such as LaCrosse Encephalitis, dog heartworm, dengue fever and western encephalitis. Apply product with mist blower, power backpack or ULV machine. If ULV machine is used, adjust pressure to deliver particles from 35-200 microns. Do not allow spray treatment to drift on pastureland, cropland, poultry ranges or water supplies. Do not use on crops used for food, forage or pasture.

Normal use pattern of product requires a residual application on plant and other surfaces where mosquitoes may rest. Product commonly provides sustained control in wooded areas lasting up to 14 days in shaded areas. Secondary activity of product is through repellency. Apply product undiluted by ground application equipment such as mist blower, ULV equipment, power backpack or pressure sprayer. Not to be used within 100 feet (30 meters) of lakes and streams. To kill or repel mosquitoes, midges, deer flies and other biting flies, apply 0.1 pounds of Permethrin per acre. To achieve this dosage, apply Permethrin RTU undiluted over a 50-foot swath at a walking speed of 2 mph with a flow rate of 5.0 fluid ounces per minute. This will result in 25 fluid ounces of Permethrin RTU per acre.

This is equivalent to 0.1 lb. of Permethrin/Acre. Apply the product so as to allow distribution over the area to be treated using particle sizes from 35-200 microns MMD. To obtain optimum results, cover the immediate surroundings of housing, buildings including plant surfaces where mosquitoes may rest. For large recreational areas such as football fields, stadiums, racetracks, and public parks, spray this product undiluted at the above mentioned application rate on the interface of woods surrounding the main area where the event is to take place. Spray may also be applied in any vegetated area where mosquitoes may rest and cause infestations in residential areas.

To Kill Gypsy Moths and Tent caterpillars infesting woodland and forest areas: Apply directly to insect nests and vegetation by backpack applicator using 62 fl.oz./acre at a walking speed of 2 mph over a swath of 50 feet, applying 12.6 fl.oz./minute. This is equivalent to 0.25 lb. of Permethrin/acre. Apply thoroughly to all foliage and insect nests.

TRUCK MOUNTED – ULV – EQUIPMENT: Permethrin RTU is recommended for application as an ultra low-volume (ULV) nonthermal aerosol (cold fog) to control adult mosquitoes in residential and recreational areas where these insects are a problem, such as but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas and municipalities, gardens playgrounds, recreational areas and overgrown waste areas. Do not apply this product within 100 feet (30 meters) of lakes and streams. Do not allow spray treatment to drift on pastureland, cropland, poultry ranges, or water supplies. 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. Applications during the cool hours of the night or early morning is usually preferable. Repeat treatment as needed.

ULV Nonthermal Aerosol (Cold Fog) Application: To control Mosquitoes, Midges and Blackflies, apply Permethrin RTU using any standard ULV 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 20 microns. Apply this product undiluted at the flow rate of 2.7 to 10.75 fluid ounces per minute driving at 10 mph. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.00175 to 0.007 pounds of Permethrin per acre. Vary flow rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high. An accurate flow meter must be used to ensure the proper flow rate.

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For proper application, mount the fog applicator so that the nozzle is at least 4 ½ feet above ground level and directed out the back of the vehicle. Failure to follow the above directions may result in reduced effectiveness. Aerial applications should be done by suitable aerial ULV equipment capable of producing droplets with an MMD of 50 microns or less with no more than 2.5% exceeding 100 microns. Flow rate and swath width should be set so as to achieve 2.0 to 6.0 fluid ounces of Permethrin RTU per acre.

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

STORAGE & DISPOSAL

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Do not store at temperatures below 40 °F (4.5 °C). If this material has been exposed to temperatures below 40 °F (4.5 °C), there may be precipitation. Check for crystallization. If evident, warm to 80 °F (26.5 °C) and thoroughly mix before using. **DO NOT USE OPEN FLAME.** 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 may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Metal containers – triple rinse or equivalent, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers – triple rinse, or equivalent, then offer for recycling or reconditioning, or puncture and 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. Then dispose of in a sanitary landfill or by other approved state and local procedures..

**IN CASE OF MEDICAL EMERGENCY,
CALL THE INTERNATIONAL POISON CONTROL CENTER
1-800-214-7753
IN CASE OF TRANSPORTATION EMERGENCY,
CALL INFO-TRACT 1-800-553-5053**

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

NOTICE: 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.