

73748-6

07/27/2005

1/7



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

EPA Reg. Number:

Date of Issuance:
JUL 27 2005

73748-6

Term of Issuance:

Conditional

NOTICE OF PESTICIDE:

- Registration
- Reregistration

Masterline Kontrol
31-67 Concentrate.

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Univar USA Inc.
11149 Research Blvd., Suite 260
Austin, Texas 78759

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 73748-6."

b. Revise the Hazards to Human and Domestic Animals section to read "Causes moderate eye irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco."

Signature of Approving Official:

Date:

c. Because this is classified as a category IV for acute inhalation you may delete the IF INHALED precaution.

d. Under If Swallowed replace "Do not give any liquid to the person" with "Have a person sip a glass of water if able to swallow."

e. Move the statement "Wear long sleeve shirt and long pants, socks, shoes and gloves. Wear protective eyeware." to the Directions for Use.

f. Move the equivalency statement for piperonyl butoxide beneath the ingredient statement and add a asterisk to refer it back to the piperonyl butoxide.

g. Under Environmental Hazards revise the second sentence of the bee precautions to read "Do not apply to blooming crops or weeds when bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito- borne disease in animals or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort."

h. On page 3, third paragraph change "as shown in the first column of previous table" to " xx of following table".

g. We note you have incorporated some labeling statements from PR Notice 2005-1, Labeling Statements of Products Used for Adult Mosquito Control but not all the recommended statements. The effective date of the PR Notice was April 15, 2005. As of October 1, 2005 EPA will begin to evaluate products released for shipment by registrants and distributors to ensure consistency with the requested label changes. Please assure yourselves that the subject product is amended and labeling is submitted that complies with these changes by October 1, 2005.

ACUTE TOXICITY REVIEW

STUDY	MRID	CATEGORY	CLASSIFICATION
Acute Oral	46291804	III	Acceptable
Acute Dermal	46291805	IV	Acceptable
Acute Inhalation	46291808	IV	Acceptable
Eye Irritation	46291806	III	Acceptable
Dermal Irritation	46291807	III	Acceptable
Dermal Sensitization	46291809	Positive	Acceptable

3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure

4/7

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUL 27 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the purpose of being
registered under EPA
73748-6

MASTERLINE

KONTROL 31 - 67 CONCENTRATE

For Mosquitoes, Flies and Gnats

An All Temperature, Quick Knockdown, Low Odor, Non-Corrosive Synergized Synthetic Pyrethroid for the Control of Adult Mosquitoes, in Residential, Recreational, and Other Areas.
Also for Use Against Biting and Non-Biting Midge and Black Flies

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-dichloroethenyl) 2,2-dimethyl- cyclopropanecarboxylate, (+/-) cis (min) 35%, (+/-) trans (max) 65%.....31.15%

Piperonyl Butoxide Technical:
Equivalent to 80% (butylcarbityl)(6-propylpiperonyl) ether and 20% related compounds.....66.85%

INERT INGREDIENTS:.....2.0%

TOTAL..... 100.0%

Contains 2.86 pounds of Permethrin and 6.13 pounds of Piperonyl Butoxide per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

“PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente”

NET CONTENTS:

1.0 GAL _____

2.5 GAL _____

30 GAL _____

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

CAUTION: Causes moderate eye irritation. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse. Wear long sleeved shirt and long pants, socks, shoes and chemical resistant (such as nitril or butyl) gloves.

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 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN AND VETERINARIANS: Do not administer or instill milk, cream or other substances containing vegetable or animal fats which will enhance absorption of lipophilic substances.

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 sites may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters. This product is highly toxic to bees. 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 an imminent threat to public and/or animal health declared by state, tribal or local health or vector control agency, or if specifically approved by the state or tribe during a natural disaster recovery effort.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame. Flashpoint greater than 230°F.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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.

6/7

STORAGE AND 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 may be disposed of on site or at an approved waste disposal facility.

Container Disposal: (Metal) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other approved State and local procedures. (Plastic) Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Container Disposal for Refillable Containers: Replace the dry disconnect cap, if applicable, and seal all openings which have been opened during use.

KONTROL 31-67 is recommended for application as an ultra low volume (ULV) non-thermal aerosol (cold fog) to control adult mosquitoes, flies and gnats 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, municipalities, gardens, playgrounds, recreational areas and overgrown waste areas. Do not apply this product within 100 ft. (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 insects are most active and conditions are conducive to keeping the fog close to the ground *e.g.* cool temperatures and wind speed not greater than 10 m.p.h. Application during the cool hours of the night or early morning is usually preferable. Repeat treatment as needed.

KONTROL 31-67 Non-Thermal Aerosol (cold fog) Application: To control mosquitoes, midges, black flies and other biting flies, apply **KONTROL 31-67** using any standard ULV ground applicator capable of producing a non-thermal aerosol spray with droplets ranging in size from 5 to 30 microns and mass medium diameter (MMD) of 10 to 20 microns. Apply the product undiluted at a flow rate of 1.0 to 6.00 ounces per minute at an average vehicle speed of 10 mph. If a different vehicle speed is used, adjust the rate accordingly. These rates are equivalent to 0.0035 to 0.021 pounds of permethrin and the same amount of 0.0075 to 0.047 pounds of piperonyl butoxide per acre. Vary flow rates accordingly to vegetation density and mosquito population. Use higher flow rates in heavy vegetation or when populations are high. An accurate flow meter must be used to ensure the proper flow rate. **KONTROL 31-67** may also be applied by diluting with a suitable solvent such as mineral oil and applying so as not to exceed the maximum pounds of active ingredient per acre as shown in the first column of the previous table. The following charts represent some suggested dilution and application rates for ground ULV applications. If an alternative dilution rate is used, adjust the flow rate accordingly.

Undiluted Use Rates for KONTROL 31-67

Permethrin Lbs./Acre	Application Rates/Fluid Ounces To Use Per Minute			Fl. Oz. KONTROL 31-67 per Acre
	5 mph	10 mph	15 mph	
0.021	3.0	6.0	9.0	1.0
0.0105	1.5	3.0	4.5	0.5
0.007	1.0	2.0	3.0	0.33
0.0035	0.5	1.0	1.5	0.16

For a 1:2 KONTROL 31-67/Solvent Dilution Ratio

Mix one (1) part KONTROL 31-67 with two (2) parts solvent and apply at the following rates.

Permethrin Lbs./Acre	Application Rates/Fluid Ounces To Use Per Minute			Fl. Oz. Finished Spray per Acre
	5 mph	10 mph	15 mph	
0.007	3.0	6.0	9.0	1.0
0.0035	1.5	3.0	4.5	0.5
0.00175	0.75	1.5	2.25	0.25

7/7

For a 1:4 KONTROL 31-67/Solvent Dilution Ratio

Mix one (1) part KONTROL 31-67 with four (4) parts solvent and apply at the following rates.

Permethrin Lbs./Acre	Application Rates/Fluid Ounces To Use Per Minute			Fl. Oz. Finished Spray per Acre
	5 mph	10 mph	15 mph	
0.007	5.0	10.0	15.0	1.6
0.0035	2.5	5.0	7.5	0.8
0.00175	1.25	2.5	3.5	0.4

For a 1:8 KONTROL 31-67/Solvent Dilution Ratio

Mix one (1) part KONTROL 31-67 with eight (8) parts solvent and apply at the following rates.

Permethrin Lbs./Acre	Application Rates/Fluid Ounces To Use Per Minute			Fl. Oz. Finished Spray per Acre
	5 mph	10 mph	15 mph	
0.007	9.0	18.0	27.0	3.0
0.0035	4.5	9.0	13.5	1.5
0.00175	2.25	4.5	6.75	0.75

For proper ground 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 ULV equipment capable of producing droplets with an MMD of not more than 60 microns. Flow rate should be set so as to achieve 0.16 to 1.0 fluid ounces KONTROL 31-67 per acre of the undiluted product. KONTROL 31-67 may also be diluted with a suitable solvent such as mineral oil and applied by aerial ULV equipment so long as 1.0 fluid ounces per acre of KONTROL 31-67 is not exceeded. Application should be made at an altitude range suitable to produce a swath width from 200 to 750 feet depending on terrain and weather conditions. For fixed wing aircraft with flat fan or rotary nozzles, or rotary wing aircraft equipped with rotary nozzles, apply at a sufficient airspeed to deliver the appropriate amount of a.i./acre (0.00175 to 0.021 # a.i./acre) and to achieve the appropriate droplet range. Both aerial and ground applications should be made when wind is less than 10 mph.

PROHIBITION FOR AERIAL USE: Not for aerial application in Florida unless specifically authorized by the Bureau of Entomology and Pest Control, Florida Department of Agriculture and Consumer Services.

NOTICE: Buyer and user assume all risks and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

BUYER GUARANTEE LIMITED TO LABEL CLAIMS