

655-898

10/16/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

655-898

Date of Issuance:

OCT 16 2002

Term of Issuance:

Conditional

Name of Pesticide Product:

Perm- X UL 4-4

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Prentiss Incorporated
21 Vernon Street
Floral Park, NY 11001

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 under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such 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 phase "EPA Registration No. 655-898".

b. Add "Only" to the front panel statement beginning "For application Only by Public xxx etc."

c. Add the CAS# for piperonyl- butoxide (CAS 51-03-5).

d. Under How to Apply following the statement about not applying product within 100 feet of lakes and streams add "Do not allow spray to drift on pastureland, cropland, poultry ranges or potable water supplies."

Signature of Approving Official:

Date:

e. Under ULV Non-Thermal Aerosol (Cold Fog) you may delete the statement, "Do not apply within 100 feet (30 meters) of fish bearing waters."

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

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PERM-X™ UL 4-4

For application by Public Health Officials and other trained personnel of Mosquito Abatement Districts and other Mosquito Control Programs. An All Temperature, Quick Knockdown, Low Odor, Non-Corrosive Synergized Synthetic Pyrethroid for the control of Adult Mosquitoes, in Residential and Recreational areas. Also for use against Biting and Non-Biting Midges and Blackflies.

ACTIVE INGREDIENTS:

Permethrin, CAS [52645-53-1]	4.0%
Piperonyl Butoxide Technical	4.0%

OTHER INGREDIENTS*:	92.0%
TOTAL:	100.0%

*Contains a Petroleum Distillate Solvent.

Contains 0.2783 lb. A.I. Permethrin and 0.2783 lb. A.I. Piperonyl Butoxide per gallon.

PRENTOX® - Registered Trademark of Prentiss Incorporated

PERM-X™ - Trademark of Prentiss Incorporated

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.	
FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
If swallowed	<ul style="list-style-type: none"> • Immediately call a Poison Control Center, physician, or the National Pesticide Information Center at 1-800-858-7378 for treatment advice. • Do not induce vomiting unless told to by a Poison Control Center or physician. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious or convulsing person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a Poison Control Center, physician, or the National Pesticide Information Center at 1-800-858-7378 for treatment advice.
If in eyes	<ul style="list-style-type: none"> • 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, physician, or the National Pesticide Information Center at 1-800-858-7378 for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a Poison Control Center, physician, or the National Pesticide Information Center at 1-800-858-7378 for treatment advice.
NOTE TO PHYSICIAN: Solvent presents an aspiration hazard. Gastric lavage is indicated if material was taken internally. Vomiting may cause aspiration pneumonia.	
For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.	
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS	

EPA Reg. No. 655-898

EPA Est. No. 655-GA-1

Net Contents _____

Lot No. _____

Manufactured by:

PRENTISS INCORPORATED

Plant: Kaolin Road, Sandersville, GA 31082
Office: C.B. 2000, Floral Park, NY 11002-2000

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 16 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under EPA Reg. No. 655-898.

655-898

<p>PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS</p> <p>CAUTION: Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals.</p>
<p>ENVIRONMENTAL HAZARDS</p> <p>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 washwaters.</p> <p>Bee Warning: 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 on blooming crops or weeds while bees are actively visiting the treatment areas.</p>
<p>PHYSICAL AND CHEMICAL HAZARDS Do not use, pour, spill or store near heat or open flame.</p>
<p>STORAGE AND DISPOSAL</p> <p>Do not contaminate water, food or feed by storage or disposal.</p> <p>Storage: Store product in its original labeled container in a cool, dry, locked place designated for such insecticides and out of reach of children. In case of spillage, soak up with absorbent material such as sawdust, or fuller's earth, sweep up and place in a labeled container and dispose of as follows.</p> <p>Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p>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 by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.</p> <p>NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.</p>

DIRECTIONS FOR USE

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

Chart No. 1 - For Use Undiluted

Conditions and Rates To Use Perm-X UL 4-4 Undiluted for Mosquito Control						
Pounds Per Acre		Application Rates				Fluid Ounces and Milliliters Per Acre
		Fluid Ounces per Minute				
Permethrin	PBO	5 mph	10 mph	15 mph	20 mph	
0.007	0.007	9.546	19.092	28.637	38.183	3.1819 (94.1 ml)
0.0035	0.0035	4.773	9.545	14.318	19.091	1.5909 (47.05 ml)
0.001	0.001	1.363	2.728	4.092	5.455	0.4546 (13.44 ml)

HOW TO APPLY

For proper ground application, mount the fog applicator so that the nozzle is at least 4 1/2 feet above ground level and directed out the back of the vehicle. May be applied at speeds of 5 mph up to 20 mph. Failure to follow these label directions may result in reduced effectiveness. For "Aerial Application" refer to the "Aerial Application" section on this label. Perm-X UL 4-4 may be used as is, or diluted with a suitable solvent such as a 60 to 100 second viscosity mineral oil and applied at a rate not to exceed 3.1819 fl. oz. of Perm-X UL 4-4 per acre. Both aerial and ground applications should be made when the wind is less than 10 mph. For exact rates, see the "Undiluted" or the "For Dilution" rates charts on this label.

Perm-X UL 4-4 is recommended for application as an Ultra Low Volume (ULV) Thermal or Non-thermal aerosol (cold fog) to control adult mosquitoes and other insects as listed on this label, in residential and recreational areas where these insect pests become a problem; such as, but not limited to parks, campsites, woodlands, athletic fields, golf courses, residential areas, municipalities, gardens, playgrounds, and non-crop waste areas. Do not apply this product within 100 feet (30 meters) of lakes and streams. For best results, treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the fog close to the ground, e.g. cool temperatures and wind speeds are not greater than 10 mph. Applications during the cool hours of night or early morning are usually preferable. Repeat treatment when recommended by Public Health officials, or Mosquito Abatement Districts.

ULV NON-THERMAL AEROSOL (COLD FOG)

Perm-X UL 4-4 is recommended for application as an Ultra Low Volume (ULV) non-thermal aerosol (cold fog) for control of adult mosquitoes, flies and gnats in residential and recreational areas where these insects are a problem. Do not apply within 100 feet (30 meters) of fish bearing waters. For best results, treat when insects are most active and conditions are conducive to keeping the fog close to the ground. Repeat treatment when recommended by Public Health officials or Mosquito Abatement Districts. To control Mosquitoes, Midges and Blackflies, apply Perm-X UL 4-4 using any standard ULV ground applicator capable of producing non-thermal aerosol fog with droplets ranging in size from 5 to 30 microns in diameter and a mass median diameter (MMD) of 15 to 20 microns (droplets should not exceed 50 microns and less than 5% of drops should be below 5 microns), with an application swath width of 300 feet. When applying this product undiluted, apply at a flow rate of 2.728 to 19.092 ounces per minute at an average vehicle speed of 10 mph. These rates are equivalent to 0.001 to 0.007 pound of permethrin a.i. and 0.001 to 0.007 pound of piperonyl butoxide a.i. per acre. If a different vehicle speed is used, adjust the rate accordingly. Vary flow rates accordingly to vegetation density and mosquito population. Use higher flow rates in heavy vegetation or when insect populations are high. An accurate flow rate control system must be used to ensure proper flow rate. Perm-X UL 4-4 may also be applied by diluting with a 60 to 100 second mineral

oil or another suitable solvent, applied so as not to exceed the maximum a.i. rates per acre as shown in the rates charts. If an alternate dilution is required, adjust the flow rate accordingly, provided droplet size and spectrum remain within label specifications Do not exceed a flow rate of 20 oz. per minute unless recommended by equipment manufacturers and/or Public Health officials when undiluted or diluted 1 to 2 and high vehicle speeds of 10, 15 or 20 mph are necessary in emergency conditions and when fogging equipment is capable of such higher rates of output per minute.

THERMAL AEROSOL FOGGING

Truck Mounted – Apply Perm-X UL 4-4 diluted or undiluted with suitable Thermal Fogging equipment. Droplet size of thermal “fog” will range 0.1 to 1.0 micron. If diluted, use a 60 to 100 second viscosity mineral oil, or another suitable non-phytotoxic diluent, to reduce oil requirement and sludge buildup in equipment. Do not exceed the maximum rates. May be applied at speeds of 5 mph up to 20 mph. For use with **Hand Carried** and/or **Lawn Mower Foggers**, use the same rates of A.I. per acre with a 50 foot swath width at a walking speed of 2 mph. Do not fog to wet foliage. Do not fog when wind conditions exceed 10 miles per hour. Only use a clean, well maintained and properly calibrated Fogger, known to give excellent performance. Fog down wind. Apply Perm-X UL 4-4 to deliver 0.001 to 0.007 lb. of permethrin a.i. and 0.001 to 0.007 lbs. piperonyl butoxide a.i. per acre. Droplet size of thermal fog will be very small, usually in the 0.5 to 1.0 micron range.

USE AS AN INSECT BARRIER TREATMENT

For use in Non-Thermal ULV, motorized, portable, Backpack, Fog type Mist Blower equipment, apply Perm-X UL 4-4 with equipment adjusted to deliver ULV particles of 50 to 100 mass median diameter. Perm-X UL 4-4 may be applied undiluted or diluted (see Application Rates Charts on this label.) If diluted, use a 30 to 100 second mineral oil, or another, (if recommended by Public Health Officials), suitable non-phytotoxic diluent. Use 0.001 to 0.007 pound permethrin a.i. per acre at a 50 ft. (15.2 m) swath width, while walking at a speed of 2 mph (3.2 kph). Whether applied undiluted or diluted, or at a different speed, make sure that the same amount of permethrin a.i. and piperonyl butoxide a.i. is applied per acre.

AERIAL APPLICATION

Aerial applications with Ultra Low Volumes of Perm-X UL 4-4 applied according to the Rates Charts on this label, may be considered necessary when conducted at the discretion of Public Health Officials, Mosquito Abatement Districts, or other trained personnel engaged in outdoor Mosquito and flying insect control programs, when these insects threaten to become a public health hazard. Application should be made 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 at an altitude of 300 feet and a forward speed of 150 mph, achieving an effective swath width of 500 feet. Flow rate and swath width should be set so as to not exceed 3.1819 fluid ounces of Perm-X UL 4-4; which is equal to 0.007 lb. permethrin a.i. and 0.007 lb. piperonyl butoxide a.i. per acre.

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

CHART NO. 2 – DILUTE 1 PART WITH 2 PARTS MINERAL OIL

Amounts to Use After Diluting 1 Part Perm-X UL 4-4 with 2 Parts Mineral Oil						
Lbs. of A.I. Per Acre		Application Rates for Fluid Ounces of Diluted Product				Diluted Fl. Oz. (ml) to Apply Per Acre
		Per Minute Per M.P.H.				
Permethrin	PBO	5 mph	10 mph	15 mph	20 mph	
0.007	0.007	26.250	52.50	78.75	105.00	8.75 (258.76 ml)
0.0035	0.0035	3.125	26.25	39.38	52.50	4.38 (129.53 ml)
0.0010	0.0010	3.750	7.50	11.25	15.00	1.25 (36.96 ml)