



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

EPA Reg. Number:
655-813

Date of Issuance:
NOV 30 2004

Term of Issuance: **Conditional**

Name of Pesticide Product:
Prentox Perm-X UL 2-2

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Prentiss Incorporated
C.B. 2000
Floral Park, NY 11002-2000

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 you product under FIFRA section 4.
2. **Make the following labeling changes:**
 - a) Revise the EPA Registration Number to read "EPA Reg. No. 655-813"
 - b) Under Directions for Use, correct the typo on the Conditions and Rates table for *Lbs.A.I./Acre* by replacing "0.007/9.007" with "0.007/0.007"
 - c) Revise the second sentence under Aerial Application to read "Such applications may be considered necessary when conducted at the discretion of Public Health Officials, mosquito abatement districts or other trained personnel engaged in out door mosquito and fly insect control programs when these insects threaten to become a public health hazard."
3. Submit to the Agency the results of a one year Storage Stability and Corrosion Characteristics study on completion.

Signature of Approving Official:

George T. LaRocca
George T. LaRocca, Product Manager (13), IB/RD (7505C)

Date:

NOV 30 2004

- 4. Please submit two (2) copies of your final printed label for before your release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. 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 bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.



PERM-X™ UL 2-2

For application Only 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]	2.0%
Piperonyl Butoxide Technical [51-03-6]	2.0%
OTHER INGREDIENTS*:	<u>96.0%</u>
TOTAL:	100.0%

*Contains a Petroleum Distillate Solvent. Contains 0.144 lb. A.I. Permethrin and 0.144 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- _____ 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
NOV 30 2004
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No.
655-813

<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</p> <p>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.

Conditions And Rates To Use For Mosquito Control

Do not apply this product within 100 feet (30 meters) of fish bearing areas. Do not allow spray treatment to drift onto pastureland, cropland, poultry ranges or water supplies.

Perm-X UL 2-2 may be applied either diluted or undiluted as a thermal or non-thermal fog. Applicators should wear long sleeved shirt, long pants, shoes and socks.

Perm-X UL 2-2 is recommended for application in ultra low volume (ULV) non-thermal aerosol (cold fog) to control adult mosquitoes, midges and black flies 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. For best results, treat when insects are most active and conditions are conducive to keeping the fog close to the ground. Both ground and aerial applications should be made when meteorological conditions are conducive to keeping the spray cloud close to the ground, such as when air temperature inversion is present. Applications during the cool hours of early morning or evening are preferable. Do not apply when wind speeds exceed 10 mph or during calm air conditions (wind speeds <2-3 mph).

Droplet size of Perm-X UL 2-2 application may be determined using the following procedure: Droplet size should be measured using silicon slides. An adequate volume of air should be sampled by using, for example, rotating rod samplers. Slides are examined microscopically and the diameter of droplets measured in microns. Slides should be scanned until 100-200 droplets have been assessed. A spread factor of 0.61 should be used to correct droplet diameters. The largest droplet should not exceed 50 microns and less than 5% of the droplets should be below 5 microns. A 90% value of the droplets should be in the range of 5 to 30 microns in size.

Conditions and Rates to Use Perm-X UL 2-2 Undiluted for Mosquito Control

Permethrin/PBO Lbs. A.I./Acre	Application Rates/Fluid Ounces To Use Per Minute				Fl. Oz. Perm-X UL 2-2 per Acre
	5 mph	10 mph	15 mph	20 mph	
0.007/9.007	18.8	Not Recommended	Not Recommended	Not Recommended	6.2
0.0035/0.0035	9.4	18.8	Not Recommended	Not Recommended	3.1
0.00175/0.00175	4.7	9.4	14.1	18.9	1.6

ULV Non-Thermal Aerosol (Cold Fog) Application: To control mosquitoes, midges and black flies, apply Perm-X UL 2-2 using any standard ULV ground applicator, with a swath width of 300 ft. capable of producing a non-thermal aerosol spray with droplets ranging in size up to 48 microns in diameter and mass medium diameter (MMD) 15 to 20 microns. Apply the product undiluted at a flow rate of 4.7 to 18.8 fluid ounces per minute at an average vehicle speed of 5 mph. If 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 populations are high. An accurate flow control system must be used to ensure proper flow rate. Do not exceed a flow rate of 20 fl. oz./min. May be applied at truck speeds of 5 to 20 mph.

THERMAL AEROSOL FOGGING

Truck Mounted: Apply undiluted with suitable Thermal Fogging equipment. Do not exceed the maximum a.i./acre rates. May be applied at speeds of 5 to 20 mph. To reduce oil requirement and sludge buildup in equipment, use 100-second viscosity mineral "fog" oil. For use with hand foggers, use the same a.i./acre rates. Do not wet foliage since the oil base formulation may be phytotoxic. Do not fog when wind conditions exceed 5 miles per hour. Use well maintained and properly calibrated fogger. Fog downwind.

Recommended Dilution Rates to achieve 0.00175/0.00175 Lbs. A.I./Acre

Machine Output	Dilution Ratio 5 mph	Dilution Ratio 10 mph	Dilution Ratio 15 mph	Dilution Ratio 20 mph
10 gal/hr	1:3.5	1:1.3	1:0.5	1:0.1
20 gal/hr	1:8	1:3.5	1:2	1:1.3
30 gal/hr	1:12.6	1 ⁷ / ₈	1:3.5	1:2.4

Recommended Dilution Rates to Achieve 0.0035/0.0035 Lbs. A.I./Acre

Machine Output	Dilution Ratio 5 mph	Dilution Ratio 10 mph	Dilution Ratio 15 mph	Dilution Ratio 20 mph
10 gal/hr	1:1.3	1:0.2	Not Recommended	Not Recommended
20 gal/hr	1:3.7	1:1.3	1:0.6	1:0.2
30 gal/hr	1:6	1:2.5	1:1.3	1:0.8

Recommended Dilution Rates to Achieve 0.007/0.007 Lbs. A.I./Acre

Machine Output	Dilution Ratio 5 mph	Dilution Ratio 10 mph	Dilution Ratio 15 mph	Dilution Ratio 20 mph
10 gal/hr	1:0.2	Not Recommended	Not Recommended	Not Recommended
20 gal/hr	1:1.3	1:0.2	Not Recommended	Not Recommended
30 gal/hr	1:2.5	1:0.8	1:0.2	Not Recommended

Recommended Dilution Rates for Hand Held Thermal Foggers – 50 Ft. Swath Walking at 2 MPH

Machine Output	Dilution Ratio 0.00175/0.00175 Lbs. A.I./Acre	Dilution Ratio 0.0035/0.0035 Lbs. A.I./Acre	Dilution Ratio 0.007/0.007 Lbs. A.I./Acre
2 gal/hr	1:12.5	1:6	1:2.5
5 gal/hr	1:32.5	1:16.5	1:7.8
8 gal/hr	1:53.3	1:27	1:13

As A Barrier Spray Using A Backpack Mister Type Unit

For use in non-thermal, portable, motorized backpack equipment, apply Perm-X UL 2-2 with equipment adjusted to deliver ULV particles of 50 to 100 microns mass median diameter. Use 1.6 to 6.2 fl. oz. of the undiluted spray per acre (equal to 0.00175 to 0.007 lb. A.I./Acre) as a 50 ft. swath while walking at a speed of 2 mph (3.2 kph). May also be applied diluted, making sure that the same amount of A.I. (0.00175 to 0.007 lb.) is applied per acre.

Recommended Dilution Rates for Backpack Mister Type Unit – 50 Ft. Swath Walking at 2 MPH

Machine Output	Dilution Ratio 0.00175/0.00175 Lbs. A.I./Acre	Dilution Ratio 0.0035/0.0035 Lbs. A.I./Acre	Dilution Ratio 0.007/0.007 Lbs. A.I./Acre
1 gal/hr	1:5.8	1:2.5	1:0.8
2 gal/hr	1:12.5	1:6	1:2.5
3 gal/hr	1:19.3	1:9.6	1:4.3
4 gal/hr	1:26.1	1:13	1:6

Aerial Application

The use of aircraft specially equipped and capable of applying Ultra Low Volumes of Perm-X UL 2-2 may be necessary. Such applications should be at the discretion of the Public Health Officials, Mosquito Abatement Districts or others trained in outdoor mosquito and biting fly programs to protect public health. Applications cannot exceed the recommended rates.

Aerial applications should be by suitable aerial ULV equipment capable of producing droplets with a MMD of 50 microns or less, with no more than 2.5% exceeding 100 microns. Application should be made at an altitude range of 120 to 175 feet (37 to 53 meters) with rotary nozzles, apply at a sufficient airspeed to deliver that appropriate amount of a.i./acre (from 0.00175 to 0.007 lbs. a.i./acre).

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.