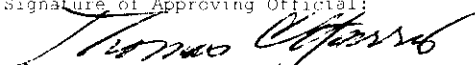
 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u>  x  </u> Registration <u>      </u> Reregistration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number: 4787-37	Date of Issuance: 8/29/2000
	Term of Issuance: Conditional	
	Name of Pesticide Product: Cyren MUC	
Name and Address of Registrant (include ZIP Code): Cheminova, Inc. agent for: Cheminova A/S 1700 Rt 23 PO Box 9, DK 7620 Wayne, NJ 07470 Lemvig, Denmark		
<p><b>Note:</b> 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.</p> <p>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 (FIFRA).</p> <p>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.</p> <p>This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration of your product under FIFRA Section 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.</li> <li>2. Make the following label changes before you release the product for shipment: <ol style="list-style-type: none"> <li>a. Revise the EPA Registration Number to read, "EPA Reg. No. 4787-37."</li> </ol> </li> </ol> <p>As requested in your letter of July 12, 2000, the conditions of paragraph 10 of the June 2000 Memorandum of Agreement between the Environmental Protection Agency and the signatory registrants regarding the registration of the pesticide products containing Chlorpyrifos are accepted by the Agency as conditions of the subject registration. The accepted label is the revision submitted 8/28/2000.</p> <p>Failure to comply with any of the conditions of registration set forth in Paragraph 10 the MOA shall be grounds for cancellation of the affected registration(s) under FIFRA section 6(e).</p>		
Signature of Approving Official:  Thomas C. Harris Insecticide-Rodenticide Branch	Date: August 29, 2000	

page 2

EPA Reg. No. 4787-37

Submit one copy of the revised final printed label before releasing the product for shipment.

If the conditions enumerated above 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. Please contact me on (703) 308-9423 if you have questions regarding this registration.

Sincerely,



Thomas C. Harris, Biologist  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure 1) Stamped Label

# Cyren® MUC

**INSECTICIDAL CONCENTRATE FOR MANUFACTURING USE PURPOSES ONLY**

**ACTIVE INGREDIENT:**

Chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate . . . . . 62.2%

**INERT INGREDIENTS** . . . . . 37.8%

**TOTAL** . . . . . 100.0%

This product contains 6 pounds of chlorpyrifos per gallon. Contains aromatic petroleum distillates.

Cyren® is a registered trademark of Cheminova A/S, Denmark.

**BEFORE USING THIS PESTICIDE  
STOP - READ THE LABEL**

**KEEP OUT OF REACH OF CHILDREN**

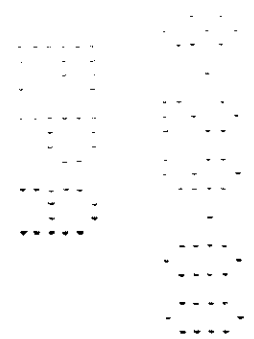
## **WARNING AVISO**

May be fatal if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear long sleeved shirt and long pants, socks and shoes, and chemical resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse. Wash separately from household laundry. Keep away from food, feedstuffs and water supplies.

AL USUARIO: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you).

**IN CASE OF A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL TOLL FREE,  
DAY OR NIGHT, 1-800-228-5635, Ext. # 153**

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
**AUG 29 2000**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
4787-37



**FIRST AID**

- IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by poison control center or doctor. Do not give anything by mouth to an unconscious person.
- IF ON SKIN:** 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. 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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- NOTE TO PHYSICIAN:** This product is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. Be aware, that the product may pose an aspiration pneumonia hazard. Chlorpyrifos is a cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. Antidote: Administer atropine sulphate in large doses. TWO to FOUR mg intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacological antidote and may be administered as an adjunct to, but not a substitute for atropine, which is a symptomatic and often lifesaving antidote. **DO NOT GIVE MORPHINE OR TRANQUILLIZERS.** At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of chlorpyrifos may occur and relapse may occur after initial improvement. **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.** The product contains aromatic petroleum distillates which may pose an aspiration pneumonia hazard.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

EPA Reg. No.: 4787-GT

EPA Est. No.: 4787-DN-1

Product of Denmark

Net Contents:



CHEMINOVA A/S Lemvig Denmark  
Phone (+45) 96 90 96 90 Telex 66514 Fax (+45) 96 90 96 91

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMAN AND DOMESTIC ANIMALS  
KEEP OUT OF REACH OF CHILDREN**

**WARNING AVISO**

May be fatal if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear long sleeved shirt and long pants, socks and shoes, and chemical resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse. Wash separately from household laundry. Keep away from food, feedstuffs and water supplies.

**ENVIRONMENTAL HAZARDS**

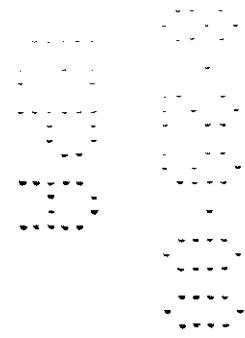
This pesticide is extremely toxic to fish, birds, and other wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARDS**

Combustible. 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.



**STORAGE AND DISPOSAL**

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

**Storage:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 100F (38C) for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site, if approved waste handling facilities are available, or at an approved waste disposal facility.

**Container Disposal:** 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.

After October 1, 2000, any manufacturing-use product formulated from this product must bear EPA-approved labeling that is consistent with the terms of the June 7, 2000, memorandum of agreement between EPA and registrants of pesticide products containing chlorpyrifos.

This product may ONLY be formulated into manufacturing-use insecticide products or end-use insecticide products for the following uses. Text in [square brackets] after each site category heading refers to the general use group as referenced in 40 CFR 158.

A. Agricultural Uses

If the product is labeled for reformulation into products bearing labeling for agricultural uses, the label may not contain instructions permitting formulation into products registered for tomatoes. In addition, the label must contain the following statements:

"(i) Use of this product for formulation into any end-use product bearing instructions for use on apple trees is prohibited unless the end-use product bears EPA-approved labeling prohibiting post-bloom application to apple trees.

(ii) (a) This product may only be formulated for the agricultural uses listed below if the EPA-approved labeling of the formulated product bears revised worker reentry intervals (REIs) of a duration no less than the following:

- \* For all crops: 24 hours, unless specifically noted as otherwise below
- \* Tree nuts and sweet potatoes: 2 days
- \* Fruit trees: 4 days
- \* Citrus trees: 5 days

(b) The end-use product labeling may include the following statement: "Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early reentry requirement pursuant to 40 CFR, Part 170."

(iii) Any emulsifiable concentrate (EC) end-use product formulated from the product must

be labeled as a restricted use product. All other end-use products formulated from the product must either be labeled as restricted use or packaged in containers no smaller than 15 gallons of a liquid formulation, 50 pounds of a granular formulation, or 25 pounds of any other dry formulation."

**Agricultural Crops [Terrestrial Food Crop, Greenhouse Food Crop]:**

- \* Alfalfa; apple (post-bloom application prohibited); asparagus; banana; beet (sugar, garden/table, including crops grown for seed); blueberry; **Brassica (cole) leafy vegetables** (including but not limited to: bok choy, broccoli, broccoli raab, Brussels sprouts, cabbage, cauliflower, Chinese cabbage, collards, kale, kohlrabi); caneberry; cherimoya; cherry (sour, sweet); **citrus fruits** (including but not limited to: grapefruit, lemon, orange, citrus orchard floors); corn (field corn, sweet corn (including corn grown for seeds)); cotton; cranberry; cucumber; date; feijoa; fig; grape; kiwifruit; leek; **legume vegetables (succulent or dried)** (including but not limited to: snap beans, lima beans, peas, soybeans); mint; mushroom; nectarine; onion (dry bulb); peach; peanuts; pear; pepper; plum; prune; pumpkin; radish (including crops grown for seed); rutabaga; sapote; sorghum (milo); strawberry; sugarcane; sunflower; sweet potato; tobacco; **tree nuts** (including but not limited to: almonds, filberts, pecans, walnuts, almond orchard floors); turnip; wheat.

**Agricultural Crops [Terrestrial Non-Food Crop]:**

- \* Clover and grass grown for seed (see note).

Note: Clovers and grasses which are grown for seed are only for 24(c) registration as terrestrial non-food crops. The 24(c) labeling for these sites must include the following limitations:

- 1) Limit use to the crop establishment year only.
- 2) Prohibit use of any portion of the treated field for animal feed.
- 3) Restrict harvest until 365 days after application.

**Livestock [Indoor Food]:**

- \* Cattle ear tags, non-residential animal housing including but not limited to poultry houses and other livestock housing (feedlots, corrals, stockyards, holding pens, and other outdoor livestock holding areas).

**Ornamentals - Commercial Production Only [Commercial Terrestrial Non-Food, Commercial Greenhouse Non-Food]:**

- \* Soil treatment of potted, containerized, or balled and burlapped nursery stock plants in nurseries and greenhouses only.
- \* Flowers, shrubs, evergreens, vines, shade and flowering trees in nurseries or greenhouses only.
- \* Forest tree nurseries.

- \* Non-bearing fruit, nut, and citrus trees.
- \* Commercial sod farms.

### **Forest Trees [Forestry]:**

- \* Plantations, forests, seed orchards, felled trees, cut stumps.

### **B. Non-agricultural, Non-termite Control Uses**

If the product is labeled for reformulation into products bearing labeling for non-agricultural uses (other than termite control), the label must contain the following statements:

"After December 1, 2000, this product may only be used to formulate an end-use pesticide product labeled for non-agricultural, non-termite control uses in accordance with the following conditions:

- (i) Any emulsifiable concentrate (EC) end-use product formulated from this product must be labeled as a restricted use product. All other end-use products formulated from the product (other than containerized baits in child-resistant packaging) must either be labeled as restricted use or packaged in containers no smaller than 15 gallons of a liquid formulation or 25 pounds of a dry formulation.
- (ii) The end-use product may not bear use directions for any indoor residential use (as that term is defined in 40 CFR. 152.3) other than containerized baits in child-resistant packaging.
- (iii) Any emulsifiable concentrate (EC) end-use product formulated from this product may not bear use directions for any indoor non-residential use. All other end-use products may not bear use directions for any indoor non-residential use other than one or more of the following uses: warehouses, ship holds, railroad boxcars, industrial plants, manufacturing plants, food processing plants, or containerized baits in child-resistant packaging.
- (iv) The product may not bear use directions for any residential outdoor use other than one or more of the following public health uses: individual fire ant mound treatment or mosquito adulticide use.
- (v) The product may not bear use instructions for any non-residential outdoor use other than one or more of the following uses:
  - (a) golf courses, road medians, and industrial plant sites, provided that the maximum label application rate is no greater than 1 lb./ai per acre;
  - (b) mosquito adulticide use for public health purposes;
  - (c) individual fire ant mound treatment for public health purposes; and
  - (d) fence posts, utility poles, railroad ties, landscape timbers, logs, pallets, wooden containers, poles, posts and processed wood products."



**Pest Control Indoors [Indoor Residential]:**

- \* Containerized baits in child resistant packaging for indoor residential uses.

**Pest Control Indoors [Indoor Non-Residential]:**

- \* Crack, crevice, and spot treatment in food and non-food areas of warehouses, ship holds, railroad boxcars, industrial plants, manufacturing plants, food processing plants only.

**Pest Control Outdoors [Terrestrial Non-Food, Domestic Outdoor]:**

- \* Public health uses to control fire ant mounds.
- \* Public health uses as a mosquito adulticide. Mosquito control may only be applied by trained personnel of public health organizations, mosquito abatement districts, public mosquito control programs, and professional pest control operators.

**Pest Control Outdoors [Terrestrial Non-Food]:**

- \* Underground utility cables and conduits in non-residential sites.
- \* Sewer manhole lids and walls.
- \* Turf and ornamentals in road medians; turf and ornamentals in industrial plant sites (provided the use rate is no greater than 1 lb ai./acre).
- \* Localized exterior surface treatment of warehouses, railroad boxcars, industrial plants, manufacturing plants, food processing plants only.
- \* Soil applied perimeter treatment of warehouses, industrial plants, manufacturing plants, food processing plants only.

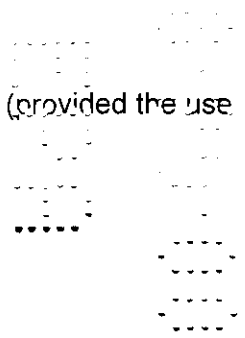
**Non-Residential Outdoor Control of Wood Infesting Insects [Terrestrial Non-Food]:**

- \* Fence posts, utility poles, railroad ties, landscape timbers, logs, pallets, wooden containers, poles, posts, processed wood products.

**Turf [Terrestrial Non-Food]:**

- \* Golf course turf, turf in road medians, and turf in industrial plant sites (provided the use rate is no greater than 1 lb ai./acre).

C. Termite Control Uses



If the product is labeled for reformulation into products labeled for termite control, the label must contain the following statements:

"After December 1, 2000, this product may only be used to formulate an end-use pesticide product labeled for termite control in accordance with the following conditions:

- (i) This product may not be used after December 31, 2004, to formulate any product labeled for termite control, unless prior to that date, EPA has made a written determination that pre-construction termite control use may continue.
- (ii) Any end-use product formulated from this product must bear EPA-approved labeling that (a) does not include use instructions for any post-construction applications other than spot and local treatment; and (b) states this product may only be used for spot and local treatment until December 31, 2002.
- (iii) Any end-use product formulated from this product must bear EPA-approved labeling with a maximum chlorpyrifos end-use dilution of 0.5% active ingredient.
- (iv) Any emulsifiable concentrate (EC) end-use product formulated from this product (other than containerized baits in child-resistant packaging) must be labeled as a restricted use product. All other end-use products formulated from the product must either be labeled as restricted use or packaged in containers no smaller than 15 gallons of a liquid formulation or 25 pounds of a dry formulation."

**Wood or Wood Structure Protection Treatments [Terrestrial Non-Food]:**

- \* Spot and localized termiticide treatments.

D. Other Uses

This product may be formulated into insecticide products for other uses for which the US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration excluding any use strictly prohibited by this label.

E. Experimental Uses

This product may be formulated into insecticide products for uses for experimental purposes that are in compliance with US EPA requirements.

F. Other Prohibited Uses

All manufacturing-use and end-use products produced from this product must bear the following statement:

"This product may NOT be used for formulation into manufacturing-use or end-use products. for the following uses:

