

4787-40

12/28/2007

1/3



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
4787-40

Date of Issuance:
DEC 28 2007

NOTICE OF PESTICIDE:

Registration
[X] Reregistration
(under FIFRA, as amended)

Term of Issuance: Unconditional

Name of Pesticide Product:
Chlorpyrifos Technical

Name and Address of Registrant (include ZIP code)

Cheminova, Inc.
1700 Route 23, Suite 300
Wayne, NJ 07470

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.

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable with the following comments:

Please see page 2 for label comments

You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this Notice or the next printing of the label whichever occurs first, must bear the new revised label. A stamped copy of the label is enclosed for your records. Should you have any questions, please contact Registration Review Manager, Dr. Akiva Abramovitch at 703-308-8328.

Signature of Approving Official:
Meredith F. Laws, Chief
Insecticide-Rodenticide Branch
Registration Division (7505P)

Date:
DEC 28 2007

Label Comments:

- 1) Please add your complete US mailing address to the label.
- 2) Add bees under the Environmental Hazards, "This pesticide is toxic.....and extremely toxic to fish, aquatic invertebrates and **bees**".
- 3) Revise under apples ("Post bloom application prohibited and only one application of any chlorpyrifos containing product can be made per year to the lower 4 feet of the trunk".) Post bloom uses can only be added once supported by acceptable data.
- 4) Remove "Other" from the title"Other Prohibited Uses".
- 5) The label pages should be numbered

3/7

Chlorpyrifos Technical

AN INSECTICIDE FOR MANUFACTURING USE ONLY

ACTIVE INGREDIENT:

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

98.5%

INERT INGREDIENTS:

1.5%

TOTAL:

100.0%

ACCEPTED This product contains 11.84 pounds of chlorpyrifos per gallon.

with COMMENTS

In EPA Letter Dated:

DEC 28 2007

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

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

4781-40

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 AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL TOLL FREE, DAY OR NIGHT, 1-866-303-6950

FIRST AID

Contains an organophosphate that inhibits cholinesterase.

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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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 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 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.

Have the product label or container with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-866-303-6950 for emergency medical treatment information.

NOTE TO PHYSICIAN: 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

4/7

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 TRANQUILIZERS.** 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.**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No.: 4787-40 Product of Denmark EPA Est. No.: 4787-DN-1



CHEMINOVA A/S • P.O. Box 9 • DK-7620 Lemvig • Denmark
Phone (+45) 96 90 96 90 • Fax (+45) 96 90 96 91

Net Contents: 288 Kilos (635 lbs)

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMAN AND DOMESTIC ANIMALS
HANDLE CHEMICAL IN A VENTILATED AREA
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 skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. The June 7, 2000 memorandum of agreement between EPA and registrants of pesticide products containing chlorpyrifos only applies to registered uses of chlorpyrifos in the U.S.

Manufacturing-Use Product Labelling Requirements

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 use(s). Text in [square brackets] after each site category heading refers to the general use group as referenced in 40 CFR 158.

Agricultural Uses

Agricultural Crops [Terrestrial Food Crop, Greenhouse Food Crop]: Alfalfa; apple (Only one application of any chlorpyrifos containing product can be made per year. The application can be either a pre-bloom dormant/dormant delayed to the canopy or the trunk, or a post-bloom application to the lower 4 feet of the trunk.); asparagus; banana; bean (snap, lima), 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, and citrus, other); citrus orchard floors; corn (field, sweet, including crops grown for seed and a maximum of 3 lb ai/acre/season and no application to pop-corn); 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; nectarine; onion (dry bulb); peach; peanuts; pear; pepper; plum; prune; pumpkin; radish (including crops grown for seed); rutabaga; sapote; seed and pod vegetables; sorghum (grain, milo); soybean, strawberry; sugarcane; sunflower; sweet potato; tobacco; tree nuts (including but not limited to: almonds, filberts, pecans, walnuts, other, almond orchard floors); turnip; wheat, and seed treatment; in addition, this product may be used to formulate products for any additional crop uses not listed on this label if the formulator, user group, or grower has complied with U.S.EPA data submission requirements regarding the support of such uses.

Ornamentals - Commercial Production Only [Commercial Terrestrial Non-Food, Commercial Greenhouse Non-Food]: Greenhouse, outdoor (excluding any residential outdoor use), field grown and nursery grown ornamentals (including but not limited to flowers, shrubs, evergreens, vines, shade and flowering trees, and non-bearing fruit, nut, and citrus trees); Christmas tree plantations, nurseries, forest tree nurseries, sod farms, perennial grass seed crops, soil treatment of potted, containerized or balled and burlapped nursery stock plants in nurseries and greenhouses only; annual and perennial plants;

Forest Trees [Forestry]: Plantations, forests, seed orchards, felled trees, and cut stumps.

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:

- 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 fruits (dormant/delayed dormant; trunk spray or preplant dip): 4 days
- * Citrus fruits: 5 days
- * Citrus orchard floors: 5 days
- * Fig: 4 days
- * Cauliflower: 3 days

- 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.'

- 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."

Other Uses

This product may be formulated into insecticide products for other uses for which the U.S. 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.

Experimental Uses

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

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:

Aquatic Uses (Aquatic Food Crop, Aquatic Non-Food): Any aquatic use, including mosquito larvicide."

Termiticide Uses

Important Note: Because of their properties and intended uses, insecticidal formulations containing this product will require precautionary labeling differing from that given. Formulators should develop their own formulations, and are responsible for obtaining EPA registration of these products.

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 100°F (38°C) 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:

Nonrefillable container. Do not reuse or refill this container.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip."

WARRANTY DISCLAIMER

Cheminova warrants that this product conforms to the chemical description on the label and is

reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CHEMINOVA MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Unintended consequences may result because of factors such as use of the product contrary to label instructions, which are beyond the control of Cheminova or the Seller. Cheminova and the Seller shall not be responsible for any risks caused by the incorporation of this product into an end use product by the Buyer or User. Buyer is solely responsible for any risks created by the end use or uses to which Buyer or a User put this product. All of the foregoing risks shall be assumed by Buyer and User, and Buyer and User agree to hold Cheminova and Seller harmless for any claims related to such factors.

LIMITATION OF REMEDIES

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to one of the following, at Cheminova's election:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

To the extent consistent with applicable law, Cheminova shall not be liable for consequential, incidental, or special damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Cheminova or the Seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.