

PM 19 4787-27

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 10 1997

Ms. Leanne Pruett  
Manager of Regulatory Affairs  
Cheminova Inc.  
Oak Hill Park  
1700 Route 23, Suite 210  
Wayne, New Jersey 07470

Dear Ms. Pruett:

Subject: Application for Label Amendment  
Chlorpyrifos Technical  
Reg. No. 4787-27  
Your Submission Dated January 7, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Two copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped label is enclosed for your records.

On page two of your label under "Agricultural Crops (Terrestrial Food Crops) revise the term "Miscellaneous Commodities" to read as: "use on the following Miscellaneous Commodities."

If there are questions concerning the above, please contact me.

Sincerely,

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

CONCURRENCES

SYMBOL	SURNAME	DATE						



# CHLORPYRIFOS TECHNICAL



AN INSECTICIDE FOR MANUFACTURING USE ONLY

ACTIVE INGREDIENT: Chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate .....	98.0%
INERT INGREDIENTS: .....	2.0%
TOTAL:	100.0%

This product contains 11.77 pounds of Chlorpyrifos per gallon

## KEEP OUT OF REACH OF CHILDREN WARNING

May be fatal if swallowed, inhaled or absorbed through skin • Causes eye irritation • May cause skin irritation

Do not get in eyes, on skin or on clothing • Avoid breathing dust • Handle chemical in a ventilated area • Wear protective clothing and rubber gloves when handling • Wash thoroughly with soap and water after handling and before eating or smoking • Remove contaminated clothing and wash before reuse • 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 AN EMERGENCY ENDANGERING LIFE OR PROPERTY INVOLVING THIS PRODUCT, CALL TOLL FREE, DAY OR NIGHT, 1-800-228-5635, Ext. # 153

### STATEMENT OF PRACTICAL TREATMENT (First Aid)

FIRST AID  
IF SWALLOWED

In case of poisoning, call a physician or Poison Control Center immediately. Have person lie down and keep quiet. Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN  
IF IN EYES  
IF INHALED

Immediately wash with plenty of soap and water. Get medical attention. Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists. Remove to fresh air if symptoms of cholinesterase inhibition appear. If not breathing, give artificial respiration. Get medical attention immediately.

NOTE TO PHYSICIAN

This material is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
APR 10 1997  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
to Amend Label for the Fertilizer  
4787-27

EPA Reg. No.: 4787-27

Product of Denmark

EPA Est. No.: 4787-DN-1



CHEMINOVA AGRO A/S • Lemvig • Denmark  
Phone (+45) 97 83 41 00 • Telex 66514 • Fax (+45) 97 83 45 55

Net Contents: 288 Kilos (635 lbs)

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMAN AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN.

#### WARNING

May be fatal if swallowed, inhaled or absorbed through skin  
• Causes eye irritation • May cause skin irritation

Do not get in eyes, on skin or on clothing • Avoid breathing dust • Handle chemical in a ventilated area • Wear protective clothing and rubber gloves when handling • Wash thoroughly with soap and water after handling and before eating or smoking • Remove contaminated clothing and wash before reuse • Keep away from food, feedstuffs and water supplies

#### 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 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.

#### 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.

#### WARRANTY LIMITATIONS AND DISCLAIMER

CHEMINOVA warrants that the material contained herein conforms to the chemical description on the label, that it will pass without objection in the trade under the contract description, and

that such product will be delivered free from any lawful lien, interest, claim, or encumbrance. CHEMINOVA MAKES NO OTHER EXPRESS WARRANTIES OF ANY KIND AND DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY CHEMINOVA, ITS DISTRIBUTORS, AGENTS, OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY, AND THE BUYER MAY NOT RELY ON SUCH INFORMATION OR ADVICE.

#### 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 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: 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.

#### MANUFACTURING USES

Chlorpyrifos Technical may be used only for formulation into other manufacturing use products or end-use products for uses accepted by the United States Environmental Protection Agency (USEPA). Because of their properties and intended uses, insecticidal formulations containing Chlorpyrifos Technical will require precautionary labeling, based on the properties and intended use of their own finished formulations, and are responsible for obtaining EPA registration of these products.

Any use to formulate coating products intended for large surface areas such as floors, walls and ceilings inside residential dwellings or health care institutions (including but not limited to: houses, apartments, nursing homes and patient rooms in hospitals) is strictly prohibited.

CHLORPYRIFOS TECHNICAL may be used only for formulation into an insecticide for

(1) The following uses:

#### Agricultural Crops (Terrestrial Food Crops)

Cereal Grains (corn (field corn, popcorn, sweet corn (including corn grown for seeds)), wheat, sorghum (milo)), Citrus Fruits (grapefruit, lemon, orange, and other citrus fruit trees, citrus orchard floors), Brassica Leafy Vegetables (broccoli, brussels sprouts, cabbage, cauliflower, chinese cabbage, collards, kale, kohlrabi), Root and Tuber Vegetables (radishes, rutabagas, turnips, sweet potatoes), Stone Fruits (cherries, sour cherries, peaches, nectarines, plums, prunes), Non-Grass Animal Feeds (Alfalfa), Small Fruits and Berries (cranberries, strawberries, grapes, blueberries, caneberries), Bulb Vegetables (leeks, onions (dry bulb)), Legume Vegetables (soybeans, beans, peas), Fruiting Vegetables (peppers, tomatoes), Cucurbit Vegetables (cucumbers, pumpkins), Crops grown Solely for Seed (carrots, clover, grasses), Tree Nuts (almonds, filberts, walnuts, pecans, almond orchard floors), Pome Fruits (apples, pears), Miscellaneous Commodities (asparagus, cotton, figs, mint, peanuts, sunflowers, tobacco, bananas, kiwi fruit, mushrooms, sugarcane, chermoya, feijoa, sapote).

#### Pest Control Indoors (Indoor)

Residential buildings, including homes and apartment buildings. Mausoleums and nonfood areas of industrial, institutional, and commercial buildings, including hospitals, stores, manufacturing plants, and warehouses. Food and nonfood areas of food handling establishments including but not limited to restaurants, grocery stores, bakeries, bottling plants, canneries and grain mills. Pet beds (not including bedding). Spot treatment only of carpeting and rugs.

#### Turf and Other Outdoor Uses (Domestic Outdoor and Terrestrial Nonfood Crop)

Corrals, stockyards, holding pens and other outdoor livestock areas. Golf courses, lawns and other ornamental and recreational turf grass areas. Non-crop areas such as roadsides, footpaths and trails, picnic and camping sites, parks and other recreational areas. Fire ants mounds.

#### Residential Citrus.

#### Pest Control on Outside Surfaces and Around Buildings (Domestic Outdoor)

Outside surfaces of buildings including porches, window frames, eaves, patios, garages, refuse dumps and other areas where pests congregate or have been seen. Building foundations. Soil treatment. Underground utility cable and conduit.

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M  
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Ornamentals (Soil Treatment) (Terrestrial Nonfood Crop)

Potted, containerized, and balled and burlapped nursery stock plants.

Ornamentals (Outdoor and Nursery) (Terrestrial Nonfood Crop)

Flowers, plants, shrubs, evergreens, including conifers, vines, shade and flowering trees, including cottonwood, elm and non-bearing prune trees.

Tree and Forest Pests (Nurseries, Plantations, and Felled Trees) (Forestry and Domestic Outdoor)

Shade and flowering trees, elm trees, plantation trees, transplant trees, and evergreens. Felled trees.

Wood or Wood Structure Protection (Indoor or Domestic Outdoor)

Utility poles and fence posts. Lumber and firewood. Building constructions of wood, including but not limited to window frames, structural parts, supports, surfaces, walls, terrestrial structures, wood piles.

- (2) Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
- (3) Uses for experimental purposes that are in compliance with USEPA requirements.

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