

# 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%

This product contains 11.84 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:** In case of poisoning, call a physician or Poison Control Center immediately. Have person lie down and keep quiet.
- IF SWALLOWED:** 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:** Immediately wash with plenty of soap and water. Get medical attention.
- IF IN EYES:** Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
- IF INHALED:** Remove to fresh air if symptoms of cholinesterase inhibition appear. If not breathing, give artificial respiration. Get medical attention immediately.

**A C C E P T E D**  
  
**AUG 6 1999**  
  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 4787-27

**NOTE TO PHYSICIAN:** This material is a cholinesterase inhibitor. Treat symptomatically.  
Atropine is an antidote

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**EPA Reg. No.: 4787-27**

**Product of Denmark**

**EPA Est. No.: 4787-DN-1**

 **CHEMINOVA**

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

**Net Contents: 285 Kilos (628 lbs)**

# PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

KEEP OUT OF REACH OF CHILDREN.

## WARNING

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## 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 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.

## ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and 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.

### 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. Insecticidal formulations containing this product will require precautionary labeling based on the properties and intended use of the finished formulations. Formulators are responsible for obtaining EPA registration of such products.

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

(1) The following uses:

**Agricultural Crops (Terrestrial Food Crops):**

Corn (field corn, sweet corn (including corn grown for seeds)), wheat, sorghum (milo), Citrus Fruits (grapefruit, lemon, orange, and other citrus fruit trees, citrus orchard floors), Brassica (Cole) Leafy Vegetables (broccoli, brussels sprouts, cabbage, cauliflower, chinese cabbage, collards, kale, kohlrabi), radishes (including seed), rutabagas, turnips, sweet potatoes), cherries (sour), peaches, nectarines, plums, prunes), alfalfa, cranberries, strawberries, grapes, blueberries, caneberries, leeks, onions (dry bulb), Legume Vegetables (soybeans, beans (snap, lima), peas), peppers, tomatoes, cucumbers, pumpkins, Crops grown Solely for Seed (clover, grasses), Tree Nuts (almonds, filberts, walnuts, pecans, others, almond orchard floors), apples, pears, Use on the following Miscellaneous Commodities (asparagus, cotton, figs, mint, peanuts, sunflowers, tobacco, bananas, kiwi fruit, mushrooms, sugarcane, cherimoya, feijoa, sapote)

**Pest Control Indoors:**

Use as a crack and crevice or spot treatment in and around the following: 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.

**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. Sod farms and commercial turfgrass areas. Fire ant mounds.

**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.

**Ornamentals (Soil Treatment) (Terrestrial Nonfood Crop):**

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

**Ornamental (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 (Terrestrial Non-Food, Domestic Indoor, Domestic Outdoor):**

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

- (2) Uses for which USEPA 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; and
- (3) Uses for experimental purposes that are in compliance with USEPA requirements.

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

**Pest Control Indoors (Indoor):**

Indoor broadcast use; total release foggers for indoor residential and non-residential (except greenhouse) use; coating products intended for large indoor surface areas such as floors, walls and ceilings inside residential dwellings, offices, schools, or health care institutions including, but not limited to, houses, apartments, nursing homes and patient rooms in hospitals;

**Pets and Domestic Animals (Indoor):**

Animal dips, sprays, shampoos, dusts;

**Aquatic Uses (Aquatic Food Crop) (Aquatic Non-food):**

Any aquatic use, including mosquito larvicide;

**Pest Control Indoors or Outdoors (Domestic Indoor or Outdoor):**

Paint additives.

**All manufacturing-use products produced from this product must bear a statement prohibiting formulation of such products for the uses identified above.**

**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 security interest, lien, 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.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

7/8

AUG 6 1999

Rick Stevens  
Cheminova, Inc.  
1700 Rt 23, Suite 210  
Wayne, NJ 07470

re: Cheminova Chlorpyrifos Technical  
EPA Registration # 4787-27  
5/26/99 submission: revised CSF (dated 1/29/99), new product chemistry  
data, revised label  
accepted

Dear Mr. Stevens:

The above submission resulted from new batch analysis conducted at your production plant which indicated that the percentage of active ingredient and impurities had changed slightly from your initial batch analysis conducted at your pilot plant. The Agency has reviewed the new product chemistry data, the revised Confidential Statement of Formula (CSF), and the revised product label. All are acceptable. A copy of the Product Chemistry review is enclosed.

The Confidential Statement of Formula dated 1/29/99 for the basic formulation is acceptable. The ingredient percentages and limits comply with PR Notice 91-2. The basic Confidential Statement of Formula have been added to your file as part of the record. This replaces all previous versions.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is ACCEPTED provided that you submit three (3) copies of your final printed labeling prior to releasing your product for shipment. If this provision is 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 the amended labeling constitutes acceptance of these conditions.

A copy of your label stamped "accepted" is enclosed for your records.

If I can be of assistance please call me at (703) 308-9423.

Yours truly,



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

enclosures