



Dratt Label

(Center Panel)

ALCO CHLORDANE 73 E C

Active Ingredient:	
Technical Chlordane*	73.0%
Inert Ingredients	27.0%
	Total 100.0%

*Equivalent to 43.8% Octachloro-4, 7 methanotetra hydroindane and 29.2% related compounds.

This product contains 8 lbs of chlordane per gallon.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 14 1982

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

5481-50

KEEP OUT OF REACH OF CHILDREN

WARNING

Statement of Practical Treatment

IF SWALLOWED: Call a physician immediately. Gastric lavage is indicated if material was taken internally. Do Not Induce Vomiting unless other treatment is not available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with soap and water.

IF IN EYES: Flush with water for 15 minutes. Contact a physician.

IF INHALED: Remove victim to fresh air and apply respiration if indicated.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

EPA Reg. No. 5481-50-AA

EPA Est. No. 5481-CA-1

Amvac Chemical Corporation
4100 E. Washington Blvd
Los Angeles, CA 90023

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS
(& DOMESTIC ANIMALS)

DO NOT TAKE INTERNALLY
DO NOT GET IN EYES
DO NOT GET ON SKIN
DO NOT INHALE VAPOR OR SPRAY MIST

WARNING: May be fatal if swallowed. Contact with skin can cause toxic symptoms. Avoid breathing vapors or spray mist. In case of contact with skin, wash with soap and water. Avoid contamination of feed and foodstuffs. Keep out of reach of children and domestic animals.

A committee of the National Academy of Sciences has stated that:

"There are no adequate data to show that these compounds are carcinogenic in humans but because of their carcinogenicity in certain mouse strains and the extensive similarity of the carcinogenic action of chemicals in animals and in humans, the committee concluded that chlordane, heptachlor, and/or their metabolites may be carcinogenic in humans."

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds and other wildlife feeding on treated areas may be killed. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill 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. READ ENTIRE LABEL. USE IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE: Store out of reach of children and domestic animals. Do not store near feed and food stuffs.

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PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

SUBTERRANEAN TERMITE CONTROL,
DIRECTIONS FOR USE

ONLY FOR RETAIL SALE TO AND USE AND
STORAGE BY COMMERCIAL PEST CONTROL OPERATORS

GENERAL USE INFORMATION

Chemicals for soil treatment are used to establish a barrier which is repellent to termites. The chemical emulsion must be adequately dispersed in the soil to provide a barrier between the wood in the structure and the termite colonies in the soil.

It is necessary for the effective use of this product that the service technician be familiar with current control practices including trenching, rodding, subslab injection, and low pressure spray applications. These techniques must be correctly employed to prevent or control infestations by subterranean termite species of Reticulitermes, Zootermopsis, Heterotermes, and Coptotermes. Choice of the appropriate procedures includes consideration of such variable factors as the design of the structure, water table, soil type, soil compaction, grade conditions, and the location of the colony and severity of the infestation within the structure to be protected. For advice concerning current control practices for specific local conditions, consult resources in structural pest control.

Contamination of public and private water supplies must be avoided by following these precautions: Use anti-back-flow equipment or procedures to prevent siphonage of pesticide back into water supplies. Do not treat structures that contain cisterns or wells. Do not treat soil that is water saturated or frozen. Consult state and local specifications for recommended distances of treatment areas from wells, and refer to Federal Housing Administration Specifications for further guidance.

All nonessential wood and cellulose containing materials, including scrap wood and form boards, should be removed from around foundations, walls, crawl spaces, and porches. This does not include existing structural soil contact wood that either has been or needs to be treated.

PRECONSTRUCTION SUBTERRANEAN TERMITE TREATMENT

Effective preconstruction subterranean termite control requires the establishment of an unbroken vertical and/or horizontal chemical barrier between wood in the structure and the termite colonies in the soil. To meet F.H.A. termite proofing requirements, follow the latest edition of the Housing and Urban Development (H.U.D.) Minimum Property Standards.

Use a 1% water emulsion for subterranean termites. Mix 1 gallon of ALCO CHLORDANE 73 EC in 95 gallons of water to produce a 1% water emulsion.

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Where necessary, use a 2% water emulsion for *Coptotermes* spp. Mix 2 gallons of Alco Chlordane 73 EC in 95 gallons of water to produce a 2% water emulsion.

After grading is completed and prior to the pouring of the slab, slab supported/constructed porches or entrance platforms, make the following treatments. Applications shall be made by a low pressure spray for horizontal barriers over areas intended for covering floors, porches and other critical areas.

Establish a vertical barrier in areas such as around the base of foundations, plumbing, back-filled soil against foundation walls and other critical areas.

1. Where it is necessary to produce a horizontal barrier, apply the emulsion at the rate of 1 gallon per 10 square feet to fill dirt. If fill is washed gravel or other coarse material, apply at 1-1/2 gallons per 10 square feet. It is important that the emulsion reaches the soil substrate.
 - a. If concrete slabs cannot be poured over soil the same day it has been treated, a water-proof cover, such as polyethylene sheeting, should be placed over the soil. This is not necessary if foundation walls have been installed around the treated soil.
2. To produce a vertical barrier, apply the emulsion at the rate of 4 gallons per 10 linear feet per foot of depth.
 - a. Rodding and/or trenching applications should not be made below the top of the footing.
 - b. Trench need not be wider than 6 inches.
 - c. Rod holes should extend from the base of the trench to the top of the footing, and should be spaced (about a foot) to provide a continuous barrier.
 - d. Emulsion should be mixed with the soil as it is being replaced in the trench. Cover treated soil with a layer of untreated soil, or other suitable barrier such as polyethylene sheeting.
3. Hollow block foundations or voids of masonry should be treated to make a continuous chemical barrier in voids. Apply at the rate of 2 gallons of emulsion per 10 linear feet so it will reach the footing.
4. For crawl spaces apply at the rate of 4 gallons of emulsion per 10 linear feet and foot of depth from grade to bottom of foundations. Application may be made by rodding and/or trenching (utilizing low pressure spray). Treat both sides of foundation and around all piers and pipes.
 - a. Rod holes should be spaced (about 1 foot) to provide a continuous chemical barrier.

- b. Trench need not be wider than 6 inches nor below the foundation. The emulsion should be mixed with the soil as it is being replaced in the trench. Cover the treated soil with a layer of untreated soil or other suitable barrier such as polyethylene sheeting.

POSTCONSTRUCTION TREATMENTS

Use a 1% emulsion for subterranean termites. Mix 1 gallon of ALCO CHLORDANE 73 EC in 95 gallons of water to produce a 1% water emulsion.

Where necessary use a 2% water emulsion for *Coptotermes* spp. Mix 2 gallons of ALCO CHLORDANE 73 EC in 95 gallons of water to produce a 2% water emulsion.

Postconstruction applications shall be made by injection, rodding, and/or trenching (using low pressure spray).

Do not apply emulsion until location of heat or air conditioning ducts, vents, water and sewer lines and electrical conduits are known and identified. Extreme caution must be taken to avoid contamination of these structural elements and airways.

1. For slab-on-ground construction apply at the rate of 4 gallons of emulsion per 10 linear feet. Applications may be made by sub-slab injection and/or trenching. Injectors should not extend beyond the tops of the footings. Treat along the outside of the foundation and where necessary just beneath the slab on the inside of foundation walls. Treatment may also be required just beneath the slab along all cracks and expansion joints.
 - a. Drill holes in the slab to provide a continuous chemical barrier.
 - b. Where necessary, drill through the foundation walls from the outside and force the emulsion just beneath the slab either along the inside of the foundation or along all the cracks and expansion joints and other critical areas.
 - c. For shallow foundations, 1 foot or less, dig a narrow trench approximately six inches wide along the outside of the foundation walls. Do not dig below the bottom of the foundation. The emulsion should be applied to the trench and the soil at 4 gallons per 10 linear feet as the soil is replaced in the trench. Cover the treated soil with a layer of untreated soil.
 - d. For foundations deeper than 1 foot follow rates for basements.
2. Hollow block foundations or voids of masonry should be treated to make a continuous chemical barrier in voids. Apply at the rate of 2 gallons of emulsion per 10 linear feet.
3. For basements apply at the rate of 4 gallons of emulsion per 10 linear feet. Where footings are greater than 1 foot of depth from the grade to the bottom of the foundation application may be made by trenching and/or rodding at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth. Treat outside of foundation walls,

and if necessary beneath the basement floor along inside of foundation walls, along cracks in basement floors, along interior load bearing walls, round sewer pipes, conduits, and piers.

4. In crawl spaces apply at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to bottom of foundation. Application may be made by rodding and/or trenching (utilizing low pressure spray). Treat both sides of foundation and around all piers and pipes.
 - a. Rod holes should be spaced (about 1 foot) to provide a continuous chemical barrier.
 - b. Trench need not be wider than 6 inches nor below the foundation. The emulsion should be mixed with the soil as it is replaced in the trench. Cover the treated soil with a layer of untreated soil or other suitable barrier such as polyethylene sheeting.
 - c. For inaccessible crawl spaces, treat soil by an alternate method such as drilling and rodding through foundation walls from the outside.

All treatment holes drilled in construction elements of living areas of homes should be securely plugged.

RETREATMENT RESTRICTIONS

1. Retreatment for subterranean termites should only be made when there is evidence of re-infestation subsequent to the initial treatment, or there has been a disruption of the chemical barrier in the soil due to construction, excavation, landscaping, etc.
2. Retreatments may be made to critical areas in accordance with the application techniques described above. This application should be made as a spot treatment to these areas.

Routine retreatment of the entire premises should be avoided.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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OCT 14 1982

Amvac Chemical Corporation
4100 E. Washington Boulevard
Los Angeles, CA 90023

Attention: Jack Prieur

Gentlemen:

Subject: Termiticide L.I.P.
Also ChlorDane 7EC
EPA Registration No. 5481-58
Your Application of January 18, 1982

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

At the next label printing, incorporate the following revisions:

1. On the front panel, directly below the name of the product, there should be reference to use only by professional applicators which should read: "Only for sale to and use and storage by commercial pest control applicators."
2. Revise the Statement of Practical Treatment to read:

STATEMENT OF PRACTICAL TREATMENT

- If swallowed - Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. If possible, vomiting should be induced under medical supervision. DO NOT induce vomiting or give anything by mouth to an unconscious person.
- If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated.
- If on skin - Remove contaminated clothing and wash affected areas with soap and water.
- If in eyes - Flush eyes with plenty of water. Call a physician immediately.

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3. In the Precautionary Statements, under the subheading Hazards To Humans And Domestic Animals, remove the parenthesis from "and Domestic Animals." Also under the subheading, should appear the signal word WARNING. Therefore, delete "Do internally, ... Do ... Eyes ... Do skin Do mist." Also, delete the sentence: "Keep out of reach of children."
4. In the Precautionary Statements, under the subheading Environmental Hazards, delete the following sentences which may appear:
 - o Birds feeding on treated areas may be killed.
 - o Birds and other wildlife in treated areas may be killed.
 - o Do not apply where runoff is likely to occur.
 - o Do not apply when weather favors drift from treated areas.
5. In the heading for the specific use directions, the third and fourth lines should be changed to read:

Only For Use And
Storage By Commercial Pest Control Operators

6. In the Storage and Disposal section delete "Store out of reach of children and domestic animals" as implies a use by homeowners.

The National Pest Control Association (NPCA) has recommended the attached revisions be made to the commercial applicator use directions of all termiticide products for soil treatment. You should include these revisions in your final printed label where applicable.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

TS-767;LaRocca;PCR-33984;HARG-0527C;hk;Raven;479-2013;10/5/82

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