

Specimen Label

ACCEPTED
 APR 26 1989
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 464-562

Dursban* TC Termiticide Concentrate

To Be Applied Only by or Under the Direct Supervision of Commercial Applicators Responsible for Insect Control Programs. Sale to or Use by Persons Owning or Occupying a Dwelling is Strictly Prohibited.

Active ingredient(s)
Chlorpyrifos (O,O-diethyl O-(3,5-dichloro-2-pyridinyl)phosphorothioate)
Inert ingredient(s)
Contains 4 pounds of chlorpyrifos per gallon
EPA Registration No. 464-562
EPA Est. 464-MI-1

12 81
57 27

KEEP OUT OF REACH OF CHILDREN

**WARNING
AVISO:**

PRECAUCION AL USUARIO:
Evitar el contacto con la piel y con los ojos. Evitar la inhalación de vapores. Evitar el contacto con alimentos y bebidas. Evitar el contacto con agua. Evitar el contacto con mascotas. Evitar el contacto con niños. Evitar el contacto con ganado. Evitar el contacto con aves. Evitar el contacto con peces. Evitar el contacto con plantas y animales silvestres. Evitar el contacto con insectos y animales domésticos. Evitar el contacto con mascotas silvestres. Evitar el contacto con animales domésticos silvestres. Evitar el contacto con animales domésticos silvestres.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
MAY BE FATAL IF SWALLOWED
 • EXCESSIVE ABSORPTION THROUGH SKIN MAY BE FATAL
 • CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY • MAY CAUSE SKIN IRRITATION

Do Not Get In Eyes, On Skin Or Clothing
 • Wear Eye Protection • Avoid Breathing Vapors And Spray Mist • Handle Concentrate In A Ventilated Area • Wear Protective Clothing And Chemically Resistant 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

STATEMENT OF PRACTICAL TREATMENT: If Swallowed: Call a physician or Poison Control Center immediately. Do not induce vomiting. Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person.
If On Skin: Immediately wash with plenty of soap and water. Get medical attention. **If In Eyes:** Flush with plenty of water for 15 minutes. Get medical attention. **If Inhaled:** Remove to

fresh air. If symptoms of cholinesterase inhibition appear and get medical attention immediately.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only if indicated, is the preferable antidote. Oximes, such as 2-PAM (pralidoxime) may be therapeutic if used early, however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Physical or Chemical Hazards
COMBUSTIBLE • Do Not Use or Store Near Heat or Open Flame.

Environmental Hazards
 This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate soils. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters.

NOTICE
 Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product read WARRANTY LIMITATIONS AND DISCLAIMER elsewhere on this label. If terms are not acceptable, return **unopened** package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under **WARRANTY LIMITATIONS AND DISCLAIMER**.

IN CASE OF AN EMERGENCY
 endangering life or property involving this product, call collect 517 636-4400

AGRICULTURAL CHEMICAL
Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

Dursban* TC

DIRECTIONS FOR USE

Use only as directed. Do not use with other pesticides unless the label is consistent with this statement.

Do not formulate this product into other end-use products.

SAFE HANDLING PROCEDURES

Wear protective clothing when using. Hands and palms should be protected by gloves and skin should be protected.

Gloves and footwear using sieved stuff and long leaved pants or coveralls are recommended. To avoid breathing, spray mist during application in confined areas. Wear a mask or respirator if a type recommended by NIOSH for spraying. Do not breathe spray mist.

SUBTERRANEAN TERMITES

DURSBAN TC is a treatment used to establish a physical barrier between wood in structures and termite colonies in the soil. It is used to prevent termites from passing a barrier between the wood in the structure and the termite colonies in the soil.

It is important that the service technician be familiar with current control practices including trenching, rodding, soil application, and low pressure spray applications. These techniques must be properly employed to prevent soil contamination by subterranean termite species.

Reticulitermes, Zootermopsis, Heterotermes, and Coptotermes - Use the following appropriate procedures. Consideration of such variable factors as the design of the structure, water table, soil type, soil compaction, grade conditions, and the location and type of domestic water supplies. The biology and behavior of the involved termite species are important factors to be known as well as suspected 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 antibackflow equipment or procedures to prevent siphonage of pesticide back into water supplies. Do not treat structures that contain systems 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 non-essential wood and cellulose containing materials including scrap wood and form boards, should be removed from around foundation 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 1.0% water emulsion for subterranean termites. Mix 2 gallons of DURSBAN TC in 98 gallons of water to produce a 1.0% 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.

Apply a vertical barrier of 1.0% emulsion around the base of footings, columns and other masonry foundation elements in a number of four areas:

1. Where it is necessary to produce a horizontal barrier, apply the emulsion at the rate of 1.0 gallon per 10 square feet of contact. This is washed gravel or other coarse aggregate applied in 4 inches per 10 square feet. It is important that the emulsion reaches the soil substrate.

2. Concrete slabs cannot be poured over soil the same day it has been treated. A waterproof 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.

3. To produce a vertical barrier, apply the emulsion at the rate of 4 gallons per 10 linear feet per foot of depth.

4. In rodding and/or trenching applications should not be made below the top of the footing.

5. Trench need not be wider than 6 inches.

6. Rod holes should extend from the base of the trench to the top of the footing, and should be spaced (about 1 foot) to provide a continuous barrier.

7. 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.

8. 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.

9. For crawl spaces apply at the rate of 4 gallons of emulsion per 10 linear feet per 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.

10. Rod holes should be spaced (about 1 foot) to provide a continuous chemical barrier.

11. 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.

12. Do not apply this product as an overall treatment to soil in crawl spaces.

13. For plenum type structures, which use a sealed underfloor space to circulate heated and/or cooled air within the structure without using ducts, apply at the rate of 4 gallons of 1% emulsion per 10 linear feet per foot of depth. Soil adjacent to both sides of foundation walls, supporting piers, plumbing and conduits should be treated by trenching or rodding, where soil conditions permit, to a depth of six inches or to the top of the footing. When conditions will not permit trenching or rodding, surface application adjacent to interior foundation walls may be made but shall not exceed an area of 18 inches, horizontally, from the foundation piers or pipes. The surface application should be made as a very coarse spray under low pressure. After soil treatment, a continuous vapor barrier of 6 mil polyethylene film (ASTM Specification D4397) or other suitable vapor barrier must be installed on the ground surface over the entire slab floor area and on the inside of the foundation walls, in accordance with the recommended practices for plenum type structures. (See Plenum-Wood System brochure, Southern Forest Products Association, New Orleans, LA, and other wood industry trade associations.)

All holes drilled in construction elements for treatment should be securely plugged.

For protection
and chemically
resistant

POSTCONSTRUCTION TREATMENTS

For 1% emulsion for subterranean termites: Mix 2 gallons of DURSBAN TC in 98 gallons of water to produce a 1% emulsion.

Postconstruction applications shall be made by injection, trenching and/or rodding 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.

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, also beneath the slab along one side of interior partitions and along all cracks and expansion joints.

1. Drill holes in the slab to provide a continuous chemical barrier.

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 the cracks and expansion joints and other critical areas.

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.

For foundations deeper than 1 foot to low basements.

For low 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.

For basements apply at the rate of 4 gallons of emulsion per 10 linear feet. Where footings are greater than 1 foot in 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 in depth. Treat outside of foundation walls, and if necessary beneath the basement floor along inside of foundation walls, along cracks in basement floors, along exterior load bearing walls, around sewer pipes, conduits and piers.

For 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 (using low pressure spray). Treat both sides of foundation and around all piers and pipes.

1. Rod holes should be spaced (about 1 foot) to provide a continuous chemical barrier.

2. 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.

For inaccessible underfloor spaces, treat soil by an alternate method such as drilling and rodding through foundation walls from the outside.

In plenum type structures, which use a sealed underfloor space to circulate heated and/or cooled air within the structure without using ducts, apply at the rate of 4 gallons of 1% emulsion per 10 linear feet per foot of depth. Soil adjacent to both sides of foundation walls,

supporting piers, plumbing and conduits should be treated by trenching or rodding, where soil conditions permit, to a depth of six inches or to the top of the footing. When conditions will not permit trenching or rodding, surface application adjacent to interior foundation walls may be made but shall not exceed an area 18 inches horizontal from the foundation piers or pipes. Before applying emulsion in these structures, temporarily seal any floor registers and ducts which open directly into the underfloor plenum. The surface application should be made as a very coarse spray under low pressure. A vapor barrier of 6 mil polyethylene film (ASTM Specification D4397) or other suitable vapor barrier must be present on the ground surface over the entire subfloor area in accordance with recommended practices for plenum type structures before treatment. Install a new vapor barrier if barrier is absent or deteriorated. The vapor barrier film on the ground and foundation walls must be folded back from the areas to be treated prior to treatment and replaced immediately following treatment. (See Plen-Wood Systems brochure, Southern Forest Products Association, New Orleans, LA, and other wood industry trade associations.) Structures should be ventilated during and after treatment.

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 reinfestation subsequent to the initial treatment, or there has been a disruption of the chemical barrier in the soil due to construction, excavations, 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.

CONTROL OF WOOD INFESTING BEETLES, CARPENTER ANTS AND TERMITES

(Localized Areas in Structures) Dosage and Mixing Instructions: DURSBAN TC termiticide is recommended for use as an aqueous emulsion containing 0.5% or 1.0% chlorpyrifos. To prepare a 0.5% emulsion add 1½ fl oz (40 ml) of concentrate to every gallon of final spray mixture desired. To prepare 1.0% emulsion, add 2½ fl oz (80 ml) of concentrate per gallon of spray.

To control wood infesting insects such as powderpost beetles (*Lyctidae*), false powderpost beetles (*Bostrichidae*), deathwatch beetles (*Anobiidae*), old house borers (*Cerambycidae*) and ambrosia beetles (*Scolytidae*) in homes and other structures, apply as an emulsion containing 0.5% to 1.0% chlorpyrifos. For treatment of small areas, apply by brushing the emulsion evenly on wood surfaces. For large or overhead areas, apply as a coarse spray to the point of runoff. When spraying overhead interior areas of homes, apartment buildings, etc. to the point of runoff, cover all surfaces below the area being sprayed with plastic sheeting or other material which could be disposed of by placing in trash if contamination from dripping occurs. Sprayed surfaces should be avoided until the spray has totally dried. Do not apply in food serving areas while food is exposed. Do not use in structures occupied by animals to be used for food purposes or which produce products for human consumption. Do not use in food areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed.

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