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CHLORDANE

EMULSIFIABLE CONCENTRATE

FOR TERMITE CONTROL

ACTIVE INGREDIENTS:

Technical Chlordane\* ..... 42.00%

Aromatic Petroleum Hydrocarbons ..... 54.00%

INERT INGREDIENTS: ..... 4.00%

100.00%

\*Equivalent to 25.2% Octachloro-4, 7-methanotetrahydroindane and 16.8% related compounds.

Contains 4 Pounds Technical Chlordane Per Gallon

ACCEPTED  
with COMMENTS  
in EPA Letter D-138

KEEP OUT OF REACH OF CHILDREN

SEP 22 1982

CAUTION

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
1381-83

SEE OTHER CAUTIONS ON SIDE PANEL

STATEMENT OF PRACTICAL TREATMENT

If Swallowed - Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician or poison control center.

If Inhaled - Remove victim to fresh air and apply respiration if indicated.

If On Skin - Wash promptly with soap and water. Rinse thoroughly.

If In Eyes - Rinse eyes for at least 15 minutes with water and call a physician immediately.

Distributed By

Land O'Lakes, Inc.

Fort Dodge, Iowa 50501

EPA Reg. No. 1381-83

EPA Est. 407-1A-1

Net Contents

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Since Paris

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Contact with skin can cause toxic symptoms. Avoid breathing spray mist. In case of contact with skin, wash with soap and water. Avoid contamination of feed or foodstuffs. Keep out of reach of children. Food utensils such as teaspoon or measuring cup should not be used for food purposes after use with pesticides.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**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 reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

**DIRECTIONS**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**SUBTERRANEAN TERMITE CONTROL  
DIRECTIONS FOR USE  
ONLY FOR RETAIL SALE TO AND USE AND STORAGE  
BY COMMERCIAL PEST CONTROL OPERATORS**

Chemicals for soil treatment are used to establish a barrier which is repellant 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 Nasutitermes, Reticulitermes, Heterotermes, and Coptotermes. Choice of 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 and type of domestic water supplies. The biology and behavior of the involved termite species are

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7307-83

- a. Modding 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 4 feet) to a continuous

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

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.

1. Where it is necessary to produce a horizontal barrier, apply the emulsion (for solution) 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 (or solution) reaches the soil substrate.

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

Barriers over areas intended for covering floors, porches and other critical treatments. Applications shall be made by a low pressure spray for horizontal

After grading is completed and prior to the pouring of the slab, slab

duct in 49 gallons of water (2 1/2 ounces in 1 gallon). To produce an emulsion.

Use a 1% water emulsion for subterranean termites. Mix 1 gallon of this pro-

and Urban Development (H.U.D.) Minimum Property Standards. 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.

**PRECONSTRUCTION SUBTERRANEAN TERMITE TREATMENT**

All nonessential wood and cellulose containing materials, including scribe 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.

Administration specifications for further guidance. Contamination of public and private water supplies must be avoided by following these precautions: Use antback-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 vapor saturated or frozen. Consult state and local specifications for recommended distances of treatment areas from wells, and refer to Federal Housing

resources in structural pest control. Concerning current control practices for specific local conditions, consult severity of the infestation within the structure to be protected. For advice important factors to be known as well as suspected location of the colony and supplies. The biology and behavior of the involved termite species are soil compaction, grade conditions, and the location and type of domestic water and Coptotermes. Choice of appropriate procedures includes consideration of subterranean termite species of Reticulitermes, Zootermopsis, Heterotermes, to inquire must be collected.

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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 (or solution) 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 (or solution) per 10 linear feet so it will reach the footing.

4. For crawl spaces apply at the rate of 4 gallons of emulsion (or solution) 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 (or solution) 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.

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#### POSTCONSTRUCTION TREATMENTS

Use a 1% emulsion for subterranean termites. Mix 1 gallon of this product in 49 gallons of water (24 ounces in 1 gallon), to produce a 1% water emulsion.

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

Do not apply emulsion (or solution) 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 (or solution) 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 one side of interior partitions and 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 (or solution) just beneath the slab either along the inside of the foundation or along all the cracks and expansion joints and other critical areas.

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2. Hollow block foundations or voids of masonry should be treated to create a continuous chemical barrier in voids. Apply at the rate of 2 gallons of emulsion (or solution) per 10 linear feet.

3. For basements apply at the rate of 4 gallons of emulsion (or solution) 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 (or solution) 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 (or solution) 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, 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.

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Land O'Lakes, Inc.  
2827 5th Avenue South  
Fort Dodge, IA 50501

Attention: Gene Currie

Gentlemen:

Subject: Termiticide L.I.P.  
Land O'Lakes Chlorane Emulsifiable Concentrate  
For Termite Control  
EPA Registration No. 1381-03  
Your Application Dated April 9, 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 make the following label revisions:

1. 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 treatments. You should include these revisions in your final printed label where applicable.
2. On the front panel below the name of the product, there should be a reference to use by professional applicators which should read: "Only for sale to and use and storage by commercial pest control applicators."
3. Revise the Statement of Practical Treatment to read:

**STATEMENT OF PRACTICAL TREATMENT**

If swallowed- Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING; waiting may cause aspiration pneumonia.

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. Get medical attention immediately.

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4. In the Precautionary Statements, under the subheading Environmental Hazards, delete the following sentences which may appear:

- a Birds feeding on treated areas may be killed.
- b Birds and other wildlife in treated areas may be killed.
- c Do not apply where runoff is likely to occur.
- d Do not apply when weather favors drift from treated areas.

5. Under the Storage and Disposal heading, just above the Pesticide Disposal Statement, the Storage Statement should appear:

STORAGE  
Do not store near food or open flame.

6. Delete the heading "DIRECTIONS," and substitute with "DIRECTIONS FOR USE."

7. In the heading of the specific directions for use, you may wish to delete the word "SPRINKLE."

Submit copies of the revised labeling for our files when available.

Sincerely yours,

George T. LaBrecq  
Product Manager (15)  
Insecticide-Planticide Branch  
Registration Division (98-7-7)

Enclosures

OPTS:OILANDCOA;DCR-46934;MANG-0055C;CBP;Raym:479-2013: 9/10/82

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