



8 LB. CHLORDANE
EMULSION CONCENTRATE

For the Control of Subterranean Termites



ACTIVE INGREDIENTS:	
Technical Chlordane*	73.50%
Petroleum Hydrocarbons	20.48%
INERT INGREDIENTS:	6.02%
TOTAL	100.00%

*Equivalent to 44.1% Octachloro-4,7-Methanotetrahydroindane and 29.4% related compounds
EPA Reg. No. 7273-97 EPA Est. No.

KEEP OUT OF REACH OF CHILDREN ← 12 pt.

WARNING ← 12 pt.

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 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 thoroughly with water. Contact a physician. If inhaled: Remove victim to fresh air and apply respiration if indicated.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Sold by
CROWN INDUSTRIES
Division of Hopkins Agricultural Chemical Co.
P.O. Box 7532
Madison, WI 53707

Sales Office:
(800) 325-3316
(314) 533-0999

NET CONTENTS
GALLONS

ACCEPTED
with COMMENTS
by EPA Letter Dated:

OCT 14 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is registered under EPA Reg. No. 7273-97

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS

WARNING

Harmful 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 food-stuffs. Keep out of reach of children.

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 feeding on treated areas may be killed. Keep out of lakes, streams and ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. 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.

SUBTERRANEAN TERMITE CONTROL
DIRECTIONS FOR USE

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

ONLY FOR USE AND STORAGE BY COMMERCIAL
PEST CONTROL OPERATORS

STORAGE AND DISPOSAL ← 12 pt

Prohibitions: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

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.

General Information on the Use of this Product

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 Reticulitermes, Zootermopsis, 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 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 antiback-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.

Mix 2 pints of this product in 23 gallons of water to produce a 1% water emulsion. Use a 1% water emulsion for subterranean termites.

Where necessary, use a 2% water emulsion for Coptotermes spp. For a 2% emulsion, mix 1 pint of this product in 23 quarts of water.

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

Mix 2 pints of this product in 23 gallons of water to produce a 1% water emulsion. Use a 1% water emulsion for subterranean termites.

Where necessary, use a 2% water emulsion for *Coptotermes* spp. For a 2% emulsion, mix 1 pint of this product in 23 quarts of water.

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 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 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, 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.

LIMITED WARRANTY AND LIABILITY

Notice: Read this Limited Warranty and Liability before buying or using this product. If the terms are not acceptable return it at once unopened.

It is critical that this product be used and mixed only as specified on the label. The laws of a State may make some or all of this paragraph inapplicable or may give you rights in addition to your rights hereunder. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of this Company or any other Seller for any small losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved. Except to the extent prohibited by State law, there is no warranty, and this Company and other Sellers disclaim all liability for losses, personal injury or damages, (i) arising from any use of this product in a manner or for a purpose not recommended in its label directions, or from mixing this product before use with any substance except as recommended by the product's label, (ii) arising from handling or storage in violation of label instructions, (iii) for all indirect, special or consequential damages, (iv) when not reported to this Company within one year of discovery, and (v) arising from product not used within the label-designated shelf life or four years from the date of purchase, whichever first occurs. THERE ARE NO IMPLIED WARRANTIES AND NO WARRANTIES OF MERCHANTABILITY OR FITNESS.

CODE

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TOP

Crow Industries
Division of Hopkins Agricultural Chemical Company
P. O. Box 7532
Madison, WI 53707

Attention: Judith Thompson

Gentlemen:

Subject: Termiticide L.I.P.
Check-Pest & LE Chlorane Emulsion Concentration
EPA Registration No. 7271-97
Your Application Dated July 1, 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/cover 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. Repeat until vomit fluid is clear. 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 if irritation persists.

3. In the Precautionary Statements, under the subheading Hazards To Humans And Domestic Animals, delete: Harmful, and substitute with: May be fatal.
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. Delete the heading: ONLY FOR USE AND STORAGE BY COMMERCIAL PEST CONTROL OPERATORS, which appears above the Storage and Disposal section.
6. The heading to the specific use directions should read:

SUBTERRANEAN TERMITE CONTROL
DIRECTIONS FOR USE
ONLY FOR USE AND STORAGE BY COMMERCIAL
PEST CONTROL OPERATORS

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.

Sincerely yours,

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

Enclosure