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J.R.V.  
12/27/82

DEC 28 1982

Ms. Annabel Olson  
Bonide Chemical Company, Inc.  
2 Warz Avenue  
Yorkville, NY 13495

Dear Ms. Olson:

Subject: Amendment -- Termiticide L.I.P. Revised Labeling  
Bonide Chlordane 74S (Termites - POO)  
EPA Registration No. 4-274  
Your Application Received October 1, 1982

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
  - a. Delete "(or solution)" wherever it appears in the text of the directions for use. Your product is an emulsion; the guide additionally showed "solution" for assistance in preparing labeling for products which are solutions rather than emulsions.
  - b. Please refer to the enclosed type size guide for assistance in selecting the correct print size for the front panel signal word, child hazard warning, and the heading "Storage and Disposal."
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

Sincerely yours,

George J. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (13-767)

Enclosure

RD:LAROCCA:DCR-39857:WANG-1661C:pjb:Raven:479-2013:12/16/82  
REVISED:LAROCCA:DCR-39862:WANG-1661C:pjb:12/21/82

B O N I D E

CHLORDANE 74 E  
(Termites - PCU)

ONLY FOR SALE TO AND USE AND  
STORAGE BY COMMERCIAL PEST  
CONTROL APPLICATORS  
POSTCONSTRUCTION TREATMENTS

EPA EST. NO. 4-NY-1 EPA REG. NO. 4-274

ACTIVE INGREDIENTS:

Technical Chlordane*	74%
Kerosene	20%

INERT INGREDIENTS:	6%
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\*Equivalent to 44.4% Octachloro-4,7-methanotetrahydroindane and 29.6% related compounds.

This material contains 8 lbs. Technical Chlordane per gallon.

WARNING: KEEP OUT OF REACH OF CHILDREN  
(See side panel for additional precautionary statements)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 28 1982

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

4-274

NET COMMENTS

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U-371

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS - WARNING

May be fatal if swallowed. Contact with skin can cause toxic symptoms. In case of contact with skin, wash with soap and water. Avoid breathing spray mist. Avoid contamination of feed and foodstuffs. Do not use on humans or household pets or near uncovered fish bowls or pools. Keep children and pets off treated areas until material has been thoroughly soaked into soil and area has dried.

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 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. Get medical attention immediately.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams and 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.

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

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SUBTERRANEAN TERMITE CONTROL  
SOIL TREATMENT  
ONLY FOR USE TO ADD TO 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 *Reticulitermes*, *Zootermopsis*, *Heterotermes*, and *Coptotermes*. Choice of appropriate procedures includes consideration of such variable factors as the design of the structure, existence of air circulation in sub-floor crawl space, 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 within the foundation. Soil around structures with well or cistern close to the foundation can be treated as follows: Do Not Apply Under Pressure. Soil should be removed to an area safe from well or domestic water contamination, treated, allowed to stand undisturbed for two to four hours then returned to the trench which has been lined with 4 mil. plastic sheeting. Be careful not to puncture plastic sheeting when returning soil to the trench. 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 foundation walls, crawl spaces, and porches. This does not include existing structural soil contact wood that either has been or needs to be treated.

POSTCONSTRUCTION TREATMENT:

Use a 1% emulsion (or solution) for subterranean termites. Mix 1 pint BONIDE CHLORDANE 7<sup>1/2</sup> E. in 10 gallons water to produce a 1% emulsion (or solution).

ROMIDE CHLORIDANE 28 E, (Termitol) 28 E  
 Postconstruction Treatment

Postconstruction application shall be made by injection, rodding, and/or trenching to the exterior foundation.

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

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 top of the footing. 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. Drill holes about 12 to 36 inches apart 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.
  - c. For shallow foundations, 1 foot or less, dig a narrow trench approximately six inches wide along the outside of the foundation walls. Trench is to be below the bottom of the foundation. The emulsion (or solution) 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 4 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 on top of depth. Treat outside of foundation walls, and if necessary beneath the top of floor slabs, inside of foundation walls, and/or inside of basement walls, along interior and exterior walls, around door frames, conduit and pipes.

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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 in commonly occupied areas of structures must be securely plugged.

RETREATMENT RESTRICTIONS

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. Reapplication should be made as a spot treatment to these areas.

Annual retreatment of the entire premises must be avoided.

Buyer's Guarantee Limited to Label Claims and Refund of Purchase Price.

MFG. by BONIDE CHEMICAL CO., INC., YORKVILLE, NY 13495

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