

Smith-Douglass, Inc.
Farm Chemicals Label
Chlordane 75%
EPA NO. 4185-144

Page 1 of 5

ROUGH DRAFT

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

"May be fatal if swallowed. Do not breathe vapor, dust, or spray mist. Do not get in eyes, on skin or clothing. In case of skin contact, wash immediately with soap and water. Avoid contamination of feed and foodstuffs."

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 favors 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."

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

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: Metal Containers: 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. Glass Containers: Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved state and local procedures.

(center Panel)

SMITH
DOUGLASS
Chlordane 75
EMULSIFIABLE CONCENTRATE

ACCEPTED
WITH COMMENTS
EPA REGION 1

SEP 10 1972

ACTIVE INGREDIENTS:
Technical Chlordane*.....75.00
Xylene Range Aromatic Solvent.....20.00
INERT INGREDIENTS:..... 5.00
TOTAL 100.00

*Equivalent to 45 Octachloro-4, 7-Methanotetrahydroindane and 30 related Compounds.
THIS PRODUCT CONTAINS 2 LBS. ACTIVE INGREDIENT PER GALLON

(center panel cont.)

PAGE 2

KEEP OUT OF THE REACH OF CHILDREN

WARNING

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. Get medical attention immediately.
- 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.

EPA Reg. No. 4185-144
EPA Est. No. 4185-NC-1

NET CONTENTS

GALLON

(right panel)

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 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.

Use a 1% water emulsion for subterranean termites. Mix 14 ounces of Chlordane 75% in 10 1/2 gallons of water to produce a 1% water emulsion (or solution). To control infestations of *Coptotermes* species use a 2% emulsion. Mix 28 ounces of Chlordane 75% in 10 1/2 gallons 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 (or 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.
 - 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 (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 pier 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.

LEST DOCUMENT AVAILABLE

POSTCONSTRUCTION TREATMENTS

Use a 1% emulsion (or solution) for subterranean termites. Mix 14 ounces of chlordane 75% in 10½ gallons of water to produce a 1% water emulsion (or solution). To control infestations of *Coptotermes* species use a 2% emulsion. Mix 28 ounces of chlordane 75% in 10½ gallons of water.

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.
 - 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 (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 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.

6. 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 subterreanean 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.

NOTICE: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, and buyer assumes the risk of any such use.

Distributed by SMITH-DOUGLASS, INC.
Norfolk, Virginia 23502

SEP 23 1982

Smith-Douglass, Inc.
1302 Ingleside Road
P. O. Box 419
Norfolk, VA 23501

Attention: Diane Davis

Gentlemen:

Subject: Termiticide L.I.P.
Smith-Douglass Chlorthane 75%
Emulsifiable Concentrate
EPA Registration No. 4185-144
Application Dated May 26, 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.

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. Add the following to the front panel on the label: "Only for sale to and use and storage by commercial pest control applicators."
3. In the Precautionary Statements, delete all quotation marks wherever they appear.
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. 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.

6. In the subheading to the Use Directions, you may wish to delete "Retail."

Sincerely yours,

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

Enclosures

OPTS:GTLAROC:DCR-07591:WANG-0066C:ert:Raven:479-2013: 9/13/82