



ACCEPTED
with COMMENTS
in EPA Letter Dated:

BEST DOCUMENT AVAILABLE

GOLD CREST

MAR 9 1984

Termitide

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

8710-233

**INSECTICIDE
EMULSIFIABLE CONCENTRATE**

ONLY FOR SALE TO AND USE AND STORAGE BY COMMERCIAL PEST CONTROL OPERATORS

ACTIVE INGREDIENTS:

Technical Chlordane	38.22%
Heptachlor	19.89%
Related Compounds	8.89%
Hydrocarbons aromatic petroleum derivative solvent	29.29%
INERT INGREDIENTS	5.89%
TOTAL	100.00%

*Equivalent to 23.53% DDT, 4, 7-methoxy-1,2,3,4-tetrahydroquinoline and 15.89% related compounds
**Heptachlor epoxide, 4, 7-methoxyquinoline
Contains 4.2 lbs. Chlordane and 2.1 lbs. actual Heptachlor per Gallon.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

STATEMENT OF PRACTICAL TREATMENT

If swallowed - Call a physician or Poison Control Center immediately. Gastric lavage is indicated if the material was taken orally. DO NOT INDUCE VOMITING unless other treatment is not available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give one or two glasses of water and insert finger in back of throat. Repeat until vomit is clear. Do not induce vomiting or give anything by mouth to an unconscious person. If on skin - Remove contaminated clothing and wash affected areas with soap and water. If in eyes - Flush with plenty of water for 15 minutes. Consult a physician immediately if irritated. Remove victim to fresh air and apply artificial respiration if indicated.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

E.P.A. Reg. No. 875-233AA

E.P.A. Est. No. 875-70-1

NET CONTENTS:
5 GALLONS



VELSICOL

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 thin layer of untreated soil or other suitable barrier such as polyethylene sheeting.

POST-CONSTRUCTION TREATMENTS

Use a 6 7/8% water emulsion for subterranean termites other than Capritermes spp. Mix 1 gallon of Termitide in 80 gallons of water to produce a 6 7/8% water emulsion. Use a 1 1/2% water emulsion for Capritermes spp. where necessary. Mix 2 gallons of Termitide in 80 gallons of water to produce a 1 1/2% water emulsion.

Post-construction applications shall be made by injection, rodding and/or rodding using low pressure spray. Do not make an overall broadcast application of this product to ground space. Rad holes or trenches should not extend above the top of the footing.

Do not apply this product to the soil beneath a plenum or space. 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 arrays.

Slab-On-Ground

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. Injections should not extend beyond the top of the footings. Treat along the outside of the foundation and where necessary just beneath the slab on the inside of foundation walls. Treaters and may also be required just beneath the slab along both sides of interior footing-supported walls, one side of interior partitions and along all cracks and expansion joints.

- Drill holes in the slab about 12 to 36 inches apart 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 all the cracks, 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 thin layer of untreated soil.
- For foundations deeper than 1 foot follow rates for basements.

Hollow Masonry Units of The Foundation Walls

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.

Basements

For basements and slab foundations which extend more than 1 foot below grade, apply at a rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to the top of the footing. Treat the outside of the foundation by trenching and/or rodding. Sub-slab injection may be necessary just beneath the basement floor or slab along the inside of foundation walls, along cracks, along partitions, around sewer pipes, conduits, and piers, and along both sides of interior footing-supported walls.

Crawl Spaces

In crawl spaces apply at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to top of footing. Application may be made by rodding and/or

Roasting, the use of...
of the...
manufacturing...

- For...
trenching...
- Trench need not be...
emulsion...
treated soil with a thin layer of untreated soil or other suitable barrier such as polyethylene sheeting.
- For...
and rodding...

Do not apply this product to the soil beneath a plenum or space. 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 arrays.

Retreatment by...
trenching...
emulsion...
treated soil with a thin layer of untreated soil or other suitable barrier such as polyethylene sheeting.

Retreatment may be...
trenching...
emulsion...
treated soil with a thin layer of untreated soil or other suitable barrier such as polyethylene sheeting.

Do not contaminate a PESTICIDE STORAGE container. Spray must be 6 inches under Sub-slab CONSTRUCTION SITES.

Triple rinse (or equivalent) in a sanitary to Plastic Triple rinse (or equivalent) in a sanitary to Plastic.

NOTE: Read the label. Where appropriate, use appropriate disposal methods.

Do not contaminate a PESTICIDE STORAGE container. Spray must be 6 inches under Sub-slab CONSTRUCTION SITES. Triple rinse (or equivalent) in a sanitary to Plastic. Triple rinse (or equivalent) in a sanitary to Plastic.

VELSICOL
CHEMICAL CORPORATION
241 S. GARDEN ST., CHICAGO, ILL.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

WARNING

May be fatal if swallowed. Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing. In case of contact, wash skin with soap and water or flush eyes with water for 15 minutes and get medical attention. See front panel for complete Statement of Practical Treatment. Avoid contamination of feed and foodstuffs. Keep out of the 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 their metabolites may be carcinogenic in humans.

Environmental Hazards

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

GENERAL INFORMATION ON THE USE OF THIS PRODUCT

Chemicals for soil treatment are used to establish a barrier against 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 essential for the effective use of this product that the service technician be familiar with current control practices including trenching, rodding, sub-slab 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 should include 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 location and type of domestic water supplies. The biology and behavior of the termite species involved 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 with relation to the specific local conditions, consult resources in structural pest control.

SUBTERRANEAN TERMITE CONTROL

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

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product may not be used against any pests not named on the label. Contamination of public and private water supplies must be avoided by following these precautions. Use anti-backflow equipment or procedures to prevent siphonage of pesticide back into water supplies. Do not treat soil beneath 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 non-essential wood and cellulose containing materials, including scrap wood and form boards, should be removed from around foundation walls, crawl spaces and porches. Effective termite control also includes elimination of moisture excess

to moisture by recommending repair of faulty construction grade and/or plumbing.

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 potential or existing termite colonies in the soil.

To meet F.H.A. termite proofing requirements under the latest edition of the Housing and Urban Development (HUD) Minimum Property Standards:

Use a 0.75% water emulsion for subterranean termite control. Coptotermes spp. Mix 1 gallon of Termide in 99 gallons of water to produce a 0.75% water emulsion.

Use a 1.5% water emulsion for *Coptotermes* spp. where necessary. Mix 2 gallons of Termide in 98 gallons of water to produce a 1.5% water emulsion.

Do not apply to any area intended as a plenum or space.

After grading is completed and prior to the pouring of the slab, slab supported, constructed porches or entrance platforms, make the following treatments:

Horizontal Barriers

Where it is not necessary to produce a horizontal barrier, apply the emulsion at the rate of 1 gallon per 10 square feet to fill dirt if not 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. Applications shall be made by a low pressure spray for horizontal barriers over areas intended for covering floors, porches and other critical areas.

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 completely treated to the top of soil.

Vertical Barriers

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

To produce a vertical barrier, apply the emulsion at the rate of 4 gallons per 10 linear feet per foot of depth from grade to the top of the footing.

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. When rodding, it is important that emulsion reaches the footing. Rod holes 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 thin layer of untreated soil or other suitable barrier such as polyethylene sheeting.

Hollow Masonry Units of The Foundation Walls

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.

Crawl Spaces

For crawl spaces apply at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to the top of the footing. Application may be made by rodding and/or trenching. Do not make an overall broadcast application to areas intended to be crawl spaces. Applications must be made by rodding and/or trenching. 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.

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6. 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 thin layer of untreated soil or other suitable barrier such as polyethylene sheeting.

POST-CONSTRUCTION TREATMENTS

Use of 7.5% water emulsion for subterranean termite control other than Carpenter termites: Mix 1 gallon of termiticide in 99 gallons of water to produce a 7.5% water emulsion. Use a 1.5% water emulsion for Carpenter termites, where necessary. Mix 2 gallons of termiticide in 100 gallons of water to produce a 1.5% water emulsion.

Post-construction applications shall be made by injection, rodding, and/or trenching (using low pressure spray). Do not make an overall broadcast application of this product in a crawl space. Feed holes or trenches should not extend below the top of the footing.

Do not apply this product to the soil beneath a plenum or space.

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 arrays.

Sub-Slab Injection

For post-construction applications apply at the rate of 4 gallons of emulsion per 10 linear feet. Applications may be made by sub-slab injection and/or trenching. Injection should not extend beyond the top 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 both sides of interior footing-supported walls, one side of interior partitions and along all cracks and expansion joints.

- Drill holes in the slab about 12 to 36 inches apart 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 all the cracks, 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 thin layer of untreated soil.
- For foundations deeper than 1 foot follow rates for basements.

Hollow Masonry Units of The Foundation Walls

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.

Basements

For basements and slab foundations which extend more than 1 foot below grade, apply at a rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to the top of the footing. Treat the outside of the foundation by trenching and/or rodding. Sub-slab injection may be necessary just beneath the basement floor or slab along the inside of foundation walls, along cracks, along partitions around sewer pipes, conduits, and piers, and along both sides of interior footing-supported walls.

Crawl Spaces

In crawl spaces apply at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to top of footing. Application may be made by rodding and/or

trenching. Do not make an overall broadcast application of this product in a crawl space. Do not apply emulsion to the soil beneath a plenum or space. Trenching or injection should not extend below the top of the footing. Treat both sides of foundation and around all piers and pipes.

- Feed holes should be spaced about 1 foot providing a continuous chemical barrier. Feed holes should not extend below the top of the footing.
- Trench need not be wider than 6 inches nor below the top of the footing. The emulsion should be mixed with the soil as it is replaced in the trench. Cover the treated soil with a thin layer of untreated soil or other suitable barrier such as polyethylene sheeting.
- For inaccessible crawl spaces, treat soil by an alternate method such as drilling and rodding through foundation walls from the outside.

After Treatment

Securely plug all holes drilled in construction elements of commonly occupied areas of structures, including unfinished basements, enclosed porches, garages, and workshops.

RETREATMENT RESTRICTIONS

Retreatment for subterranean termites should only be made when there is evidence of reinfestation. Retreatment of the entire structure, or areas that have been a continuous chemical barrier or the soil due to construction, or conditions, landscaping, etc. Retreatment should be made as a spot application to these areas.

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 or annual retreatment of the entire premises should be avoided.

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

- Metal**
Triple rinse (or equivalent) and offer for recycling or reconditioning, or disposal of in a sanitary landfill, or by other approved State and local procedures.
- Plastic**
Triple rinse (or equivalent) and offer for recycling or reconditioning, or disposal of in a sanitary landfill or by incineration if permitted by State and local authorities.

LIMITED WARRANTY AND LIABILITY

NOTE: 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 understood that this product be used and mixed only as specified on the label. The laws of a State may vary from those of the purchaser's applicable law. The purchaser hereby agrees to the terms of this limited warranty. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the Company or any other Seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price of the product or the quantity of product involved, except to the extent prohibited by State law. There is no warranty, and the Company and other Sellers disclaim all liability for losses, personal injuries or damages, of any kind or nature, arising from the use of this product in a manner or for a purpose not recommended on its label directions, or from mixing this product with any other substance except as recommended by the product label. In no event shall the Company be liable for any consequential or special damages, including but not limited to, loss of profits or business, or any other damages, arising from the use of this product. This limited warranty shall be in full satisfaction of all obligations of the Company under this limited warranty. THERE ARE NO IMPLIED WARRANTIES AND NO LIMITATIONS OF REMEDY OR LIABILITY.



SICOL

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VELSICOL
CHEMICAL CORPORATION
341 E. OHIO ST. CHICAGO, IL 60611

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

9 MAR 1984

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Mr. John Bergman
Velsicol Chemical Corporation
341 E. Ohio Street
Chicago, IL 60611

Dear Mr. Bergman:

Subject: Amendment - Graphics Change; Change Product Names
Gold Crest C-100 Emulsifiable Concentrate
EPA Registration No. 876-63
Gold Crest E-60 Emulsifiable Concentrate
EPA Registration No. 876-63
Gold Crest Termitide Emulsifiable Concentrate Insecticide
EPA Registration No. 876-233
Your Application Dated February 6, 1984

The amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), are acceptable. Stamped copies of the label are enclosed for your records.

Note that when revising the storage and disposal sections for compliance with PR Notice 83-3 that the two products containing heptachlor should bear the following pesticide disposal text:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

The registration records for each of the products listed below have been adjusted to show each appropriate new product name:

<u>EPA Registration No.</u>	<u>New Product Name</u>
876-63	Gold Crest C-100 Insecticide Emulsifiable Concentrate

876-233

-2-

EPA Registration No.

876-85

876-233

New Product Name

Gold Crest H-60 Insecticide
Emulsifiable Concentrate

Gold Crest Termitide Insecticide
Emulsifiable Concentrate

Sincerely yours,



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

Enclosure