

400-400

11-29-2002

1/6



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

NOV 29 2002

Willard F. Cummings  
c/o Betsy Katzman  
Crompton Manufacturing Company, Inc.  
74 Amity Road  
Bethany, CT 06524-3402

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Terrachlor 2LB Emulsifiable  
EPA Reg. No. 400-400  
Your Submission dated July 12, 2002

Dear Mr. Cummings:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted provided the spelling of "scerotium" is corrected (sclerotium). A stamped copy of the label is enclosed for your files. You must submit one copy of the final printed label prior to releasing the product for shipment.

If you have questions about this letter, please contact Summer Gardner-Jenkins of my staff at (703) 308-9353.

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller  
Product Manager 21  
Fungicide Branch  
Registration Division (7505C)

Enclosure: stamped label

2/16

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

NOV 29 2002

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

400-400

# Terraclor® 2 LB. EMULSIFIABLE

## Soil Fungicide

Net  
Contents:

### COMPOSITION

<b>Active Ingredient: (% by weight)</b>	
Pentachloronitrobenzene (PCNB) .....	23.8%
Inert Ingredients:* .....	76.2%
<b>TOTAL .....</b>	<b>100.0%</b>

Contains 2 lbs. of Pentachloronitrobenzene per U.S. gallon.

\*Contains petroleum distillates, xylene or xylene range aromatic solvent.

## KEEP OUT OF REACH OF CHILDREN WARNING • AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### FIRST AID

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR ON CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

Additional Precautionary Statements and Directions for Use are in the attached booklet. If booklet is missing, contact Crompton or an authorized dealer.

EPA REG. NO. 400-400  
EPA EST NO.  
014

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3/6

**EMERGENCY ASSISTANCE:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

<b>CROMPTON EMERGENCY PHONE</b>	<b>203-723-3670</b>
<b>SAFETY DATA AND INFORMATION</b>	<b>203-573-3303</b>
<b>TRANSPORTATION EMERGENCY (CHEMTREC)</b>	<b>800-424-9300</b>

**NOTE TO PHYSICIAN**

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

Causes substantial but temporary eye injury. Do not get in eyes on skin or on clothing. Wear protective eyewear. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

**Applicators and Other Handlers (other than mixers and loaders) Must Wear:** A long-sleeved shirt & long pants; chemical resistant gloves such as barrier laminate, or viton; shoes plus socks; protective eyewear.

**Mixers and Loaders Must Wear:** A long-sleeved shirt & long pants; chemical resistant gloves such as barrier laminate, or viton; shoes plus socks; protective eyewear. For exposures in enclosed areas: A respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter. For exposures outdoors: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Flammable. Do not use or store near heat sources or open flame. Do not use in the vicinity of pilot lights. This product contains xylene. Check manufacturer's recommendations for hoses, seals and fittings that are compatible with xylene.

4/6

**DIRECTIONS FOR USE**

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

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- chemical resistant gloves such as barrier laminate or viton
- shoes plus socks
- protective eyewear

**TANK MIXTURE COMPATIBILITY**

Combinations of **Terraclor 2 lb. Emulsifiable** with fungicides, insecticides, plant growth regulators or fertilizers should be checked for compatibility before tank mixing. Use a jar test to mix the recommended proportions of each product in a volume of water which is proportionate to the expected field use rate. The mix is considered compatible if it remains stable or can be easily reconstituted by shaking after standing for 5 minutes.

**GENERAL INFORMATION**

TERRACLOR 2EC is a protective fungicide recommended for control of certain soil borne diseases of vegetable crops. Best results are achieved when used in a preventative program following recommended rates and application directions. Carefully read, understand and follow label directions.

**VEGETABLES**

TERRACLOR 2EC should be applied as a preventative fungicide to vegetable crops. It is important when using TERRACLOR 2EC as a protective fungicide that material be placed into the soil. This can be accomplished as a soil drench, mechanical incorporation or as an in-furrow application. Under certain crop use (peanuts), repeated applications may be necessary. See use and rate recommendations for specific crop use recommendations and diseases controlled by TERRACLOR 2EC.

When rate range is shown the lower rate should be used on lighter soils or when disease pressure is expected to be low. The higher rates should be used on heavy soils, in fields with a history of disease problems, or when weather conditions are expected to be unfavorable for rapid germination and growth of seedlings.

**CROP**

- BEANS (snap & dry)
- COTTON
- GARLIC
- PEANUTS

**DISEASES CONTROLLED**

- Root & Stem Rot (*Rhizoctonia solani*)
- Damping Off (*Rhizoctonia solani*)
- White Rot (*Sclerotium cepivorum*)
- Root & Stem Rot (*Rhizoctonia solani*)
- Southern Stem Rot/White Mold (*Scerotium rolfsii*)

5/6

CROP	DISEASE	RATES OF TERRACLOR 2 LB. EMULSIFIABLE		RECOMMENDED APPLICATION
		AMOUNT/ACRE	FL. OZ./1000 FEET OF ROW	
DRY, SUCCULENT & SNAP BEANS (excluding cowpeas)	Root and Stem Rot ( <i>Rhizoctonia solani</i> )	½ to ¾ gallons Use in 8 to 10 gallons water (36 inch row spacing)	4.4 to 6.6	Spray planting furrow and covering soil at planting time. Avoid spraying directly to seed; otherwise delayed emergence may occur. Use lower rate on lighter soils.
		In California and Arizona: 3 to 4 pts. in 8 to 10 gals. (spacings as above)	3.3 to 4.4	

Apply only at planting time  
Do not feed treated vines or hay to livestock.

COTTON	Damping Off ( <i>Rhizoctonia solani</i> )	3 to 6 pints Use in 5 to 15 gals. water (40 inch row spacing)	3.7 to 7.4	In-Furrow Application: Apply the specified dosage to the soil around the seed and to the covering soil as it fills in the furrow. The soil around the seed and the covering soil should be thoroughly mixed with the product. Two nozzles work best; center the front nozzle over the open furrow to spray the soil around the seed and the rear nozzle to spray the covering soil as it fills the furrow. The higher rates should be used when weather conditions are expected to be unfavorable for rapid germination, fields have a history of disease problems or minimum or low till programs are utilized.
		In California: ½ to 1 gallon (Dilution and row spacing as above)	4.8 to 9.7	

Do not exceed 2 lbs. of PCNB active ingredient per acre in any one season applied as spray or granular formulations.  
Apply only at planting time.  
Do not allow the feeding or grazing of cotton foliage by livestock.

GARLIC	White Rot ( <i>Sclerotium cepivorum</i> )	10 gallons Use in 100 gals. water. (24 inch row spacing)	58.7	Apply at planting. Attach a suitable rig to the planter and spray 8 to 12 inch bands using 2 nozzles per planting furrow. Direct the front nozzle to spray the bottom of the open furrow and the "seed" as it is dropped. Direct the rear nozzle to spray the covering soil.
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Do not exceed 2 lbs. of PCNB active ingredient per acre in any one season regardless of the method of application or formulation used.  
Apply only at planting time.

PEANUTS*	Root and Stem Rot ( <i>Rhizoctonia solani</i> )	4 to 8 pints Apply in 8 to 10 gallons water. (36 inch row spacing)	4.4 to 8.8	At Planting: Apply specified dosage as a directed in-furrow spray to the seed and surrounding soil at planting time. The soil around the seed and the covering soil should be thoroughly mixed with the product. The higher rate should be used when weather conditions are expected to be unfavorable for rapid germination, fields have a history of disease problems or minimum or low till programs are utilized.
	Southern Stem Rot or White Mold ( <i>Sclerotium rolfsii</i> )	3 to 6 pints Apply in 8 to 10 gallons of water. (36 inch row spacing)	3.7 to 7.4	

Do not exceed 2 lbs. of PCNB active ingredient per acre in any one season regardless of the method of application or formulation used.  
Apply only at planting time.  
Do not feed treated vines to livestock.  
Do not allow hogging down of peanuts.  
\*Use not registered by the California Department of Pesticide Regulation.

Rotation Restriction: Do not plant root crops in PCNB treated fields within 12 months of broadcast and banding applications unless PCNB is registered for use on those crops.

6/6

### **STORAGE AND DISPOSAL**

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

**STORAGE** - Protect from temperatures below 20° F.

**PESTICIDE DISPOSAL** - Pesticide wastes are toxic. 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.

**CONTAINER DISPOSAL** - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**IMPORTANT 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 the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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