



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Diana Williams  
Value Garden Supply, Inc  
9100 W. Bloomington Freeway, Suite 113  
Bloomington, MN 55431

NOV 04 2011

Subject: Labeling Amendment  
Rigo Exotherm Termil  
EPA Registration No. 70-223  
Decision No. 453849  
Submission Date: 8/9/11

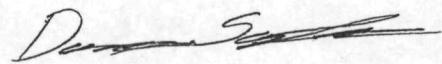
Dear Ms Williams:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to update the Storage and Disposal section as well as respond to Agency comments in the letter dated July 6, 2011, is acceptable provided you make the following changes:

1. Page 1 – replace the word “aplicators” with “applicators” in the “RESTRICTED USE PESTICIDE” heading.
2. Page 1 – replace “Use in Residential Greenhouses...is prohibited.” with “DO NOT use in Residential Greenhouses or Other Indoor Plant Sites.”
3. Page 2 – in the fourth paragraph of the PPE section insert the words “full face” between “has taken place must wear a:” and “self contained breathing apparatus.”
4. Page 3 – in the first paragraph of the Agricultural Use Requirements box replace the word “hat” with “that” in the final sentence.
5. Page 4 – delete the word “General” before “Precautions and Restrictions”
6. Page 4 – replace “Use in Residential Greenhouses...is prohibited.” with “DO NOT use in Residential Greenhouses or Other Indoor Plant Sites.”
7. Page 6 – in the Dosage and Method of Application section correct the final sentence to read “1,000 square feet.”

Submit one copy of your final printed labeling before you release the product for shipment. A copy of the labeling stamped "Accepted with Comments" is enclosed for your records. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at [schuler.dominic@epa.gov](mailto:schuler.dominic@epa.gov).

Sincerely,



(for)

Tony Kish  
Product Manager (22)  
Fungicides Branch  
Registration Division (7504P)

### RESTRICTED USE PESTICIDE

BASED ON POTENTIAL RISKS TO APPLICATORS AND WORKERS EXPOSED POST APPLICATION. FOR RETAIL SALE TO AND USE BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

### Rigo Exotherm Termil

A Fungicide Formulated for Use on Listed Ornamentals.  
For Commercial Greenhouse Use Only.  
Use in Residential Greenhouses or Other Indoor Plant Sites is Prohibited.  
Treats 1000 Square Feet.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

NOV 04 2011

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

70-223

ACTIVE INGREDIENT:

Chlorothalonil (Tetrachloroisophthalonitrile) .....	20.0%
OTHER INGREDIENTS .....	80.0%
TOTAL .....	100.0%

EPA Reg. No. 70-223

EPA Est. No. 44616-GA-1

### KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

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

**If in Eyes:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**If Swallowed:**

- Call a poison control center or doctor immediately for treatment advice.
- Have a person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If on Skin or Clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 – 20 minutes.
- Call a poison control center or doctor for treatment advice.

**If inhaled:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Net Weight: 100 GRAMS/3.5 OZ.

Distributed by:  
Value Garden Supply  
P O Box 585  
St. Joseph, MO 64501  
952-884-6477

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: Corrosive.** Causes irreversible eye damage. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are made of waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

Applicators and other handlers must wear:

- Long sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical resistant gloves.

In addition to the PPE listed above, handlers lighting 3 canisters or less per application and handlers who remain in the treated area for ten minutes or less before full ventilation has taken place must wear: a full face NIOSH approved respirator with an organic vapor cartridge or canister with any R, P, or HE filter.

In addition to the PPE required for applicators and other handlers, handlers lighting more than 3 canisters per application or any handler (i.e., persons entering to operate ventilation equipment) remaining in the treated area for longer than 10 minutes at a time before full ventilation has taken place must wear: a self-contained breathing apparatus.

### 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates and wildlife. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. This chemical can contaminate surface water through spray drift. Under some conditions it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

### 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 in a way that will contact workers or other persons, pets, 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), notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Entry Restrictions:** Entry (including early entry that would otherwise be permitted under the WPS) by any person other than a correctly trained and equipped handler who is performing a handling task permitted by the WPS is PROHIBITED in the entire greenhouse (entire enclosed structure/building) from the start of application until one of the WPS ventilation criteria has been met. The WPS ventilation criteria include (1) ten air exchanges are completed; (2) two hours of mechanical ventilation; (3) four hours of passive ventilation; (4) eleven hours with no ventilation followed by 1 hour of mechanical ventilation; (5) eleven hours with no ventilation followed by 2 hours of passive ventilation; (6) twenty-four hours with no ventilation. After ventilation is completed, do not enter or allow worker entry into the entire enclosed area during the remainder of the 12-hour restricted interval (REI), except as allowed by the WPS. The WPS ventilation criteria and REI do not begin until application is completed. Application is complete when smoke is no longer being produced.

**PPE for Entry During the Restricted Entry Interval:** PPE for entry by handlers into smoke-treated greenhouses before WPS ventilation criteria have been met is listed in the "Hazards to Humans and Domestic Animals" section of this labeling. PPE for early entry into smoke-treated greenhouses after ventilation is complete, 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 with laminate barrier or vitron; shoes plus socks, and protective eyewear.

**Special Eye Irritation Provisions:** This product is a severe eye irritant. Although the restricted-entry interval expires after 12 hours, for the next 6 1/2 days entry is permitted only when the following safety measures are provided: (1) at least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site intended for workers entering the treated area. (2) Workers must be informed, in a manner they can understand, that residues in the treated area may be highly irritating to their eyes; that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes, that if they do get residues into their eyes, they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water and how to operate the eyeflush container.

**Notification:** Notify workers of the application by warning them orally and by posting warning signs outside all entrances to the greenhouse.

## STORAGE AND DISPOSAL

**PESTICIDE STORAGE:** Store in a dry location at room temperature (72° - 80°F).

**PESTICIDE DISPOSAL:** 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 instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA regional Office for guidance.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## PRODUCT INFORMATION

Rigo Exotherm Termil is a protectant fungicide formulation for use on listed ornamentals. The product readily ignites to vaporize without decomposition. As the vapor cools, condensation occurs resulting in the formation of fine dust particles. Under greenhouse conditions these particles distribute to provide a thorough, but invisible covering of the plants. Rigo Exotherm Termil is recommended for use in control of blossom blight, leaf spot and stem rot caused by the fungus, *Botrytis cinerea*, on the following ornamentals.

## GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply this product to a greenhouse that is attached to another structure including another greenhouse, unless the greenhouse to be treated is entirely sealed off from the other structure.

**For use in commercial greenhouses only. Use is residential greenhouses or other indoor plant sites is prohibited.**

Rigo Exotherm Termil is recommended for the control of fungal diseases referred to by the numbers in parentheses following each type of ornamental plant.

### FLOWERING PLANTS AND BULBS\*

African Violet (2)	Ageratum (1,2)	Alyssum (1,2)
Aphelandra (1,2)	Arabian Violet (2)	Aster (foliage only) (1)
Azalea (1,2,3)	Begonia (1)	Calceolaria (1,2)
Carnation (1,2)	Celosia (1,2)	Chrysanthemum (1,2)
Cineraria (1,2)	Crocus (1)	Cyclamen (1,2)
Daffodil (1)	Daisy (1)	Delphinium (foliage only) (1)
Dianthus (1,2)	Easter Lily (1,2)	Fuchsia (1,2)
Geranium (1,5)	Gladiolus (1,2)	Gloxinia (1,2)
Hollyhock (5)	Hydrangea (foliage only) (1,5)	Impatiens (foliage only) (1)
Iris (1,2)	Lily (1)	Lobelia (foliage only) (1)
Marigold (1)	Narcissus (1)	Nasturtium (1,2)
Pansy (1)	Petunia (1,3)	Phlox (1)
Poinsettia (A) (1)	Primrose (1,2)	Rose (1)
Salvia (1,2)	Schizanthus (1,2)	Snapdragon (1,2)
Statice (1)	Tulip (1)	Verbena (1)
Zinnia (1,4)		

Avoid applications during bloom period on plants where flower injury is unacceptable.

\*Discoloration of blooms has been noted, at least on certain varieties.

(A) Discontinue applications prior to bract formation; Phytotoxicity is possible on the bracts.

FOLIAGE PLANTS		
Agaonema (1)	Acerca palm (1)	Artemesia (1)
Asparagus Fern (1)	Balsam (foliage only) (1)	Boston Fern (Nephrolepis) (1)
Caladium (foliage only)	Coleus (foliage only) (1)	Douglas Fir (1)
Dracaena (1)	Dumbcane (Dieffenbachia) (1)	Euonymus (1)
Fatsia (Aralia) (1)	Ficus (1)	Fir (Abies) (1)
Florida Ruffle Fern (1)	Lantana (1)	Leatherleaf Fern (1)
Lipstick Plant (1)	Mahonia (1)	Ming Aralia (1)
Norfolk Island Pine (1)	Oyster Plant (Rhoeo) (1)	Palm (foliage only) (1)
Parlor Pam (Chamaedorea) (1)	Peperomia (1)	Philodendron (1)
Ponderosa Pine (1)	Porch ivy (foliage only) (1)	Pothos (1)
Prayer Plant (Maranta) (1)	Scarlet Sage (1)	Spirea (1)
Syngonium (1)	Variegated Hoya (foliage only) (1)	Velvet Plant (1)
Vinva rosea (foliage only) (1)	Zebra plant (Aphelandra) (1)	

DISEASES CONTROLLED WITH RIGO EXOTHERM TERMIL	
<b>(1) Leafspots and Foliar Blights</b>	
Actinopelte leafspot	Fusarium (gibberella) leafspot
Alternaria leafspot or leaf blight	Gloeosporium black leafspot
Anthracnose (gnomonina, Glomerella, Colletotrichum, Discula) blights	Marssonina leafspot
	Monilinia blossom blight, twig blight
Black spot (Diplocarpon)	Mycospherella ray blight
Botrytis blight	Myrothecium leafspot, brown rot
Cephalosporium leafspot	Phyllosticta leafspot
Cercospora leafspot	Ramularia leafspot
Cercosporidium leafspot	Rhizoctonia web blight
Shothole (stigma)	Scab (ventura)
Corynespora stem & Leafspot	Septoria leafspot
Curvularia leafspot	Sphaeropsis leafspot
Daclylaria leafspot	Stagonospora leaf scorch
Didymellina leafspot	Tan leafspot (Curvularia)
Drechslera (Bipolaris) leafspot, inkspot	Voluntella leaf blight
Fabraea (entomosporium) leafspot	
<b>(2) Flower Spots &amp; Blights</b>	
Botrytis flower spot, flower blight	Ovulinia flower blight
Curvularia Flower spot	Rhizopus blossom blight
Monikinia blossom blight	Sclerotinia flower blight
<b>(3) Phytophthora leaf blight, dieback</b>	
<b>(4) Powdery mildew</b>	
Erysiphe cichoracearum	Microsphaera spp.
Sphaerotheca fuliginea	
<b>(5) Rusts</b>	
Gymnosporangium spp.	Puccinia spp.
Pucciniastrum hydrangeae	

Application should be made prior to development of disease symptoms and continued as long as disease threatens, especially during overcast, cool and humid weather conditions. Rigo

Exotherm Termil should be used in conjunction with good cultural practices such as: (1) proper ventilation and good air movement, (2) removal and destruction of all refuse and diseased plant parts and (3) frequent sterilization of cutting tools to avoid transmission of disease.

**REQUIRED APPLICATION PROCEDURE:** (1) All entries to the structure must be blocked/barricaded and posted with required warning signs; (2) all greenhouse vents must be closed and all circulating fans must be turned off; (3) all misting systems must be turned off, be certain all foliage and blossoms are dry before application; (4) an applicator wearing required personal protective equipment must perform the remaining tasks; (5) the applicator must remove the tops of the canisters; (6) each canister must be placed in position in the greenhouse; (7) after all canisters are set out, the canister furthest from the exit(s) to the greenhouse must be ignited first; (8) if the canisters are placed in a parallel walks, rather than one central isle, an applicator must be assigned to light the canisters in each walk, so that application starts simultaneously and the applicators exit the greenhouse simultaneously; (9) each applicator ignites each canister using a hand-held propane torch (not matches or cigarette lighter) that remains lit for the entire application; (10) each applicator continues quickly to the next can until all cans are ignited, then exits greenhouse immediately; (11) Entry into the greenhouse to ignitors that failed to activate the smoke generator is prohibited if any smoke generators are activated in the greenhouse, unless the task is performed by an applicator wearing baseline attire, chemical-resistant gloves, and an air supplying respirator equipped to supply air for the time necessary for the relighting process; (12) DO NOT apply when greenhouse temperature is above 75° F.

**Dosage and Method of Application:** The number and placement of the ready-to-use cans of **Rigo Exotherm Termil** will vary with the size of greenhouse to be treated. Each can will treat a greenhouse area of 1,000 square feet. Use the appropriate number of cans evenly spaced, down the center aisle where possible, to treat the entire greenhouse area. DO NOT place cans more than 50 feet from each other. Place can(s) just above crop foliage in center of 1,000 square fee area, or in such a manner to obtain uniform distribution of the fungicide.

Overnight exposure is recommended. If not suitable, expose plants for at least three hours in greenhouse with doors and ventilators closed and fans turned off. Repeat treatments may be needed at weekly intervals. When cuttings are made, the exposed cut surfaces of stock plants become covered with a film of water which become excellent infection sites for Botrytis for a period of 12 hours. If an application of Rigo Exotherm Termil is not practical at this time, it is suggested that a suitable fungicide dust or spray be used as a spot treatment to the plants in the bench area from which the cuttings were made.

**WARRANTY STATEMENT**

To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with label directions.