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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 5481-443	DATE OF ISSUANCE
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT PCNB 2 FLOWABLE TURF & ORNAMENTAL SOIL FUNGICIDE	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)  AMVAC CHEMICAL CORPORATION 4100 EAST WASHINGTON BLVD. LOS ANGELES, CA 90023		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.  A copy of the labeling accepted in connection with this Registration/Reregistration is turned herewith.  Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.  This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:  1. Submit/cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.  2. Make the labeling changes listed below before you release the product for shipment:  a. Add the phrase "EPA Registration No. 5481-443".  3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Robert J. Taylor  
Product Manager (25)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

RD:RTaylor:eja:1/05/92:3056800

**FOR ORNAMENTALS**

Mixtures of this product with water must be mixed with the soil as a drench treatment for protection against the listed diseases on nursery, greenhouse, field grown and established plants. A preliminary trial is suggested first before a full treatment is given to any plant species not listed in these directions.

**DISEASES CONTROLLED**

Common Name	Fungal Name	Common Name	Fungal Name
Root and stem rot	Rhizoctonia spp.	Petal blight	Ovulinia azaleae
Botrytis storage rot	Botrytis spp.	Bulb and stem rot	Sclerotium rolfsii
Neck dry rot	Stromatinia gladioli	Flower blight	Sclerotium canaliculatae
Bulb dry rot	Sclerotium gladioli	Crown rot	Felicularea rolfsii
Needle blight	Dothieromys pini	Black rot	Sclerotinia sclerotiorum

**NURSERY & GREENHOUSE**

For Rhizoctonia control apply as a soil drench at time of seeding and/or transplanting

**Tropical Foliage Plants**

Ajaga, Aphelandra, Dieffenbachia, Dracaena, Ficus, Filloia, Gynura, Hoya, Peperomia, Pothos, Schefflera, Syngonium, Tradescantia and similar tropical foliage plants. Mix 3/4 to 1 1/2 pints in 100 gallons water and apply to 400-800 sq.ft. of bed or bench area. Coverage: For soil depths of 4 inches or less, apply 100 gallons to 800 sq.ft. For soil depths of more than 4 inches apply 100 gallons to 400 sq.ft. One repeat application can be made 4 to 6 weeks later if necessary. Do not apply to Philodendron or Pilea since injury may occur.

**Bedding and Flowering Plants**

Carnation, Chrysanthemum, Dahlias, Geranium, Marigold, Petunia, Poinsettia, Portulaca, Salvia, Vinca, Zinnia and similar plants. Use 3/4 pint with 100 gallons of water and apply to 800 sq.ft. of flat or bench area. Apply at seeding or transplanting time.

**Herbaceous and Woody Plants**

Herbaceous Plants: Kalanchoe, Lily and similar plants. **Woody Plants:** Azalea, Boxwood, English Ivy, Holly, Juniper, Pine, Rhododendron and similar plants. Use 3/4 to 1 1/2 pints with 100 gallons of water and apply to 400-800 sq.ft. of bed or bench area.

**DIP TREATMENT FOR BULBS and DORMANT ROSES**

Use before planting or storing. It is important to maintain continuous circulation of dip solution to ensure uniform application of fungicide. Add 1% "Sticker" to solution. Utilize wire mesh for dipping and drain boards to return excess solution to dip tank. Dispose of unused dip solution according to "Storage and Disposal" and observe use of protective clothing as listed under "Hazards to Humans"; both sections found on this label. Wear chemical resistant gloves when dipping. For control of Crown Rot and Black Rot on Iris, Hyacinth, Narcissus and Tulips dip bulbs for 5 minutes in a solution containing 3/4 gallon of this product in 3.2 gallons of water. For Root Rot (Rhizoctonia) of Easter Lilies dip in a solution containing 1 1/2 to 2 1/4 gals. PCNB 2 FLOWABLE TURF & ORNAMENTAL in 100 gallons of water for a period of 5 to 15 minutes. For Botrytis Storage Rot on Roses: Dip or spray dormant plants before packaging or storage, with a solution of 1 gallon PCNB 2 FLOWABLE TURF & ORNAMENTAL in 100 gals. of water.

**FIELD GROWN ORNAMENTAL CROPS**

**HOW TO MIX AND APPLY**

Mix the following amounts of PCNB 2 FLOWABLE TURF & ORNAMENTAL in sufficient water and apply before planting to give uniform ground coverage. Incorporate the spray/drench solution to depth of soil as indicated.

**AS A PRE-PLANT BROADCAST TREATMENT**

For Rhizoctonia Root Rot on Easter Lilies, and for Crown Rot and Black Rot on Iris, Hyacinth, Narcissus and Tulips use 1 1/5 to 2 1/3 gals. per 1,000 sq. ft. Thoroughly incorporate to a depth of 6 to 7 inches. Use the lower rate for light soils; the higher rate for heavy soils. For Bulb Rot and Stem Rot (Sclerotinia rolfsii) on Dutch Iris use 1 1/5 to 1 2/3 gals./1,000 sq.ft. Apply prior to planting. Thoroughly incorporate solution to depth of 2 to 3 inches. For Neck or Bulb Dry Rot (Stromatinia or Sclerotinia gladioli) on Gladiolus use 1 1/3 gal./1,000 sq.ft. Apply prior to planting. Thoroughly incorporate to depth of 4 to 6 inches. Bulbs may be planted immediately after solution is incorporated. For Stem Rot (Rhizoctonia) on Calendula, Larkspur, Snapdragon and Sweet Pea use 1 1/3 gal. per 1,000 sq.ft. Apply prior to planting. Thoroughly incorporate to depth of 4 inches. For Rhizoctonia Needle Blight on Southern Pine Seedlings use 18 3/4 gals. per acre. Mix and apply in 100 gallons of water to give uniform ground coverage. An additional 1 1/2 inch of water per acre should be applied by irrigation prior to planting. Seed may be planted immediately after irrigation or within one week of this date.

**AS A BAND TREATMENT**

For Neck or Bulb Dry Rot (Stromatinia or Sclerotinia gladioli) on Gladiolus apply 2 1/8 gallon per 1,000 linear feet of row as a 12 inch band centered on the row at planting time. Incorporate to depth of 4 inches. Bulbs may be planted immediately after incorporation. For Bulb Rot and Stem Rot (Sclerotinia rolfsii) on Dutch Iris use 1 qt. per 1,000 linear feet of row as a 12 inch band centered on the row at planting time. Follow with 3 additional applications at the same rate at 15 day intervals.

**AS AN IN-FURROW TREATMENT AT PLANTING TIME**

For control of Rhizoctonia Root Rot on Easter Lilies, and for Crown Rot and Black Rot on Iris, Hyacinth, Narcissus and Tulips mix 1 3/4 gal. to 2 1/4 gals. in 5 to 10 gallons of water and apply per 1,000 linear feet of row. Direct the spray into open furrow to thoroughly cover entire furrow and bulbs. Close furrow in normal manner. Use lower rate for lighter soils and higher rate for heavier soils. For Black Rot control, use high rate.

**SPRAY for ESTABLISHED AZALEAS & CAMELLIAS**

For Azalea Petal Blight (Ovulinia Azaleae) on Azaleas and Camellia Flower Blight on Camellia use 3 pints/150 sq.ft. Mix and apply in sufficient water (5 to 10 gallons per 100 sq.ft.) to give uniform coverage to soil beneath bushes and in the plant bed. Begin application prior to opening of buds and repeat every 3 to 4 weeks during bloom season.

PM 25

# PCNB

## 2 FLOWABLE

### TURF & ORNAMENTAL

#### SOIL FUNGICIDE

**FOR CONTROL OF SOIL-BORNE DISEASE**  
**TURFGRASS and ORNAMENTALS**

ACTIVE INGREDIENT:	Pentachloronitrobenzene(PCNB) - -	21.6%
INERT INGREDIENTS: - - - - -		78.4%
	TOTAL	100.0%

Contains 2 pounds of PCNB per Gallon

Under the Fungicide Registration Act of 1974, EPA Reg. No. 5481-CA-001

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

"PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que haya sido explicado ampliamente"

**STATEMENTS OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by giving 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything to an unconscious or convulsing person. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists. **IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. Get medical attention. **IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Avoid inhaling spray mist. This material may cause skin irritation and face after using and before eating or smoking. Avoid contact with skin by wearing the following clothing during mixing/loading operations (An approved respirator for professional applicators only): shirt, long pants, socks and shoes. Use with adequate ventilation. Do not contaminate feed or food.

**ENVIRONMENTAL HAZARDS**

Do not contaminate water when disposing of equipment washwaters. This product is toxic to fish. Do not apply where run-off is likely to occur. Apply this product only as specified on this label. Do not apply adjacent to potable water supplies.

**CHEMICAL AND PHYSICAL HAZARDS**

Do not allow product to freeze.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply through any type of irrigation system. Slight agitation may be required to mix the material. Do not use for feed, food or oil purposes.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original container in a cool, dry, locked place out of reach of children. Protect from temperatures below 20 °F. **DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved disposal facility. **CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reuse, or puncture and dispose of in a sanitary landfill, or by other approved procedures by State and local authorities.

SEE GIDE/BACK PAKEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
EPA REG. NO. 5481- EPA EST NO. 5481-CA-

NET CONTENTS 5 GALLONS

**AMVAC CHEMICAL CORPORATION**

4100 EAST WASHINGTON BLVD. LOS ANGELES, CA 90021