

5481-419

6/5/2001

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States Environmental Protection Agency Washington, DC 20460

- Registration
Amendment
Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number: 5481-419
2. EPA Product Manager: Mary L. Waller
3. Proposed Classification: [X] None [] Restricted
4. Company/Product (Name): PCNB 75W Turf & Ornamental
PM#: PM-21
5. Name and Address of Applicant: Amvac Chemical Corporation, 4695 MacArthur Court, Suite 1250, Newport Beach, CA 92660
6. Expedited Review: EPA Reg. No. ---, Product Name ---

Section - II

Amendment - Explain below []
Notification - Explain below [X]
Final printed labels in response to Agency letter dated []
"Me Too" Application []
Other - Explain below []

NOTIFICATION JUN 5 - 2001

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification of Non-Agricultural Use Requirements per PR Notice 98-10.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement formula of this product.

Section - III

1. Material This Product Will Be Packaged In:
Child-Resistant Packaging: [X] No
Unit Packaging: [X] No
Water Soluble Packaging: [X] No
2. Type of Container: [X] Plastic
3. Location of Net Contents Information: [X] Label
4. Size(s) Retail Container: 3 Lbs
5. Location of Label Directions: [X] On Labeling accompanying product
6. Manner in Which Label is Affixed to Product: [X] Paper glued

Section - IV

1. Contact Point: Name: Jon C. Wood, Title: Regulatory Manager, Telephone No.: 949-260-1212 // 323-526-2388 VM
Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.
2. Signature: Jon C. Wood
3. Title: Regulatory Manager
4. Typed Name: Jon C. Wood
5. Date: 25-May-01
8. Date Application Received (Stamped)

PCNB 75W

Turf & Ornamental Soil Fungicide

FOR PREVENTION AND CONTROL OF SOIL-BORNE DISEASES WHICH ATTACK TURFGRASS, NURSERY AND GREENHOUSE PLANTS, FIELD GROWN ORNAMENTALS, BEDDING & FLOWERING PLANTS, HERBACEOUS AND WOODY ORNAMENTALS.

Active Ingredient:
Pentachloronitrobenzene (PCNB).....75.0%
Inert Ingredients:25.0%
Total 100.0%

EPA Reg. No. 5481-419

EPA Est. No. 5481-CA-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash affected area with soap and warm water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air and give artificial respiration if indicated.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid inhaling dust. May cause skin irritation. Avoid contact with skin. Do not contaminate feed or foodstuffs.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and for exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval No. prefix TC-21C). For exposures in enclosed areas, a respirator with either an organic-vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval No. prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval No. prefix TC-14G). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

Do not contaminate water when disposing of equipment washwaters. This product 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. Apply this product only as specified on this label. Do not apply directly adjacent to potable water supplies.

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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, 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. 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. Do not use this product in California for control of Leaf Spot or Dollar Spot on Turf. Do not apply this product through any type of irrigation system.

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 interval. 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.

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, waterproof gloves and shoes plus socks.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or in greenhouses. Keep children, pets and other unprotected persons out of treated areas until sprays have dried.

GENERAL INFORMATION

This product is a wettable powder and is recommended for use in water. When mixing make sure that the water mixture is continuously agitated to give uniform fungicide coverage. PCNB 75W is a preventive fungicide recommended for control of certain soil-borne diseases as listed for turf and ornamental crops therefore best disease control results when applied as a preventive program. Carefully follow the recommended rates and the application remarks.

FOR TURFGRASS

Use as a fungicide in the prevention and control of the listed soil-borne diseases which attack turfgrass on golf courses, sod farms, home lawns, institutional, ornamental, and recreational areas where fine turf is under a maintenance program.

Diseases Controlled

Common Name	Fungi Name
Brown Patch	<i>Rhizoctonia solani</i>
Leaf Spot	<i>Helminthosporium spp.*</i>
Dollar Spot	<i>Sclerotinia homoeocarpa*</i>
Gray Snow Mold	<i>Typhula spp.</i>
Pink Snow Mold	<i>Fusarium nivale</i>

**Do not use in California.*

For best results use PCNB 75W as a preventive application before diseases appear, or apply at the first sign of the infection. After application the treated areas should be watered to wash the fungicide down to the soil level. If heavy rainfall or flooding occurs after treatment, or if disease is severe or reappears, treat area again. Follow the rates as outlined below for the respective disease.

Disease/Host	Amt/Gals of Water per 1,000 sq. ft.	How and When to Apply
Brown Patch (<i>Rhizoctonia solani</i>) St. Augustine, Bermudagrass & similar warm season grasses	1 lb/10-15 gallons	Apply once in Spring or Fall or when disease appears. If it is severe or reappears, retreat 3-4 weeks later.
Dichondra	1 lb/40 gallons	Treat as above.
Bluegrass, Rye, Fescue, Bent & similar cool season grasses	3-4 oz/3-6 gallons	Apply at first sign of disease. Repeat every 7-10 days during warm, damp weather.
Leaf Spot* (<i>Helminthosporium spp.</i>) Dollar Spot* (<i>Sclerotinia homoeocarpa</i>) *Do not use in California	7-10 oz/5-10 gallons	For preventative, apply in Spring or Fall of each year. If disease is present, apply at 10 oz rate as soon as possible. If disease is severe or reappears, retreat area 3-4 weeks later.
Gray Snow Mold (<i>Typhula spp.</i>) Pink Snow Mold (<i>Fusarium nivale</i>)	8 oz/5-10 gallons	First treatment should be made prior to first snowfall.

Do not graze treated areas or feed grass clippings to livestock. Under certain growing conditions, a temporary discoloration of the grass occasionally may occur. This causes no harm and will disappear in a short time.

GROUND SPRAY FOR ESTABLISHED AZALEAS AND CAMELLIAS

For Azalea Petal Blight (*Ovulinia azaleae*) on Azaleas and Camellia Flower Blight on Camellia, use 1 lb/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.

ORNAMENTALS

Mixtures of PCNB 75W and 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	Fungi Name
Black Rot	<i>Sclerotinia sclerotiorum</i>
Root and Stem Rot	<i>Rhizoctonia spp.</i>
Petal Blight	<i>Ovulinia azaleae</i>
Botrytis Storage Rot	<i>Botrytis spp.</i>
Bulb and Stem Rot	<i>Sclerotium rolfsii</i>
Neck Dry Rot	<i>Stromatinia gladioli</i>
Flower Blight	<i>Sclerotium camelliae</i>
Bulb Dry Rot	<i>Sclerotium gladioli</i>
Crown Rot	<i>Pellicularia rolfsii</i>
Needle Blight	<i>Dothistromia pini</i>

NURSERY & GREENHOUSE

For Rhizoctonia Control, apply as a soil drench at time of seeding and/or transplanting.

Tropical Foliage Plants

Ajuga, Aphelandra, Dieffenbachia, Dracena, Ficus, Fittonia, Gynura, Hoya, Peperomia, Pothos, Schefflera, Syngonium, Tradescantia and similar tropical foliage plants. Mix 4 to 8 oz. 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.

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Bedding and Flowering Plants

Carnation, Chrysanthemum, Dahlia, Geranium, Marigold, Petunia, Poinsettia, Portulaca, Salvia, Vinca, Zinnia and similar plants. Use 4 oz. 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 4 to 8 oz. with 100 gallons of water and apply to 400-800 sq. ft. of bed or bench area.

FIELD GROWN ORNAMENTAL CROPS

How to Mix and Apply

Mix the following amounts of PCNB 75W 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 3¼ to 6½ lbs. 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 3¼ to 4½ lbs./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 3-2/3 lbs./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 3½ lbs. 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 50 lbs. per acre. Mix and apply in 100 gallons of water to give uniform ground coverage. An additional 1½ 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 Treatent

For Neck or Bulb Dry Rot (*Stromatinia* or *Sclerotinia gladioli*) on Gladiolus, apply 5½ lbs. 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 ½ lb. 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 4½ to 6 lbs. 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

DIP TREATMENT FOR BULBS AND DORMANT ROSES

Use before planting or storing. It is important to maintain continuous circulation of dip solution to assure 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 (gloves etc.) as listed under "Personal Protective Equipment (PPE)"; both sections found on this label.

For control of Crown Rot and Black Rot on Iris, Hyacinth, Narcissus and Tulips, dip bulbs for 5 minutes in a solution containing 2 lbs. PCNB 75W in 3.2 gallons of water.

For Root Rot (*Rhizoctonia*) of Easter Lilies, dip in a solution containing 4 to 6 lbs. PCNB 75W 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 2 lbs. PCNB 75W in 100 gals. of water.

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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. **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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conform to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT, SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

Transportation: CHEMTREC 1-800-424-9300
Other: AMVAC 1-323-264-3910