

5481-8992

3/8/2010

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Julie T. Tran  
Product Registration  
Amvac Chemical Corporation  
4895 MacArthur Court, Suite 1250  
Newport Beach, CA 92660

MAR 8 2010

SUBJECT: Application for Pesticide Notification (PRN 98-10)  
Request Alternate Brand Name "TURFCIDE 400"  
EPA Reg. No. 5481-8992  
Application Dated December 15, 2009

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 12/15/09 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington", is written over a horizontal line.

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number  
5481-8992

2. EPA Product Manager  
MARY WALLER

3. Proposed Classification



None



Restricted

4. Company/Product (Name)  
TURFCIDE 4F

PM#  
21

5. Name and Address of Applicant (Include ZIP Code)

AMVAC CHEMICAL CORPORATION  
4695 MACARTHUR COURT, SUITE 1250  
NEWPORT BEACH, CA 92660



Check if this is a new address

6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:



EPA Reg. No. \_\_\_\_\_

Product Name \_\_\_\_\_

## Section - II



Amendment - Explain below.



Resubmission in response to Agency letter dated \_\_\_\_\_



Notification - Explain below.



Final printed labels in response to  
Agency letter dated



"Me Too" Application.



Other - Explain below.

NOTIFICATION

MAR 8 - 2009

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

Notification of the Alternate Brand Name of TURFCIDE 400 for TURFCIDE 4F.

## Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging



Yes\*



No

Unit Packaging



Yes



No

Water Soluble Packaging



Yes



No

2. Type of Container



Metal



Plastic



Glass



Paper



Other (Specify) \_\_\_\_\_

\* Certification must be submitted

If "Yes" Unit Packaging wgt.

No. per container

If "Yes" Package wgt

No. per container

3. Location of Net Contents Information



Label



Container

4. Size(s) Retail Container

5. Location of Label Directions



On Label



On Labeling accompanying product

6. Manner in Which Label is Affixed to Product

Lithograph  
Paper glued  
Stenciled

Other \_\_\_\_\_

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name

Julie Tran

Title

Product Manager

Telephone No. (Include Area Code)

949-221-6126

## Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.  
I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment of both under applicable law.

6. Date Application Received

(Stamped)

2. Signature

Julie Tran

3. Title

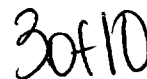
Product Manager

4. Typed Name

Julie Tran

5. Date

15-Dec-2009



Ms. Mary L. Waller, PM-21  
Document Processing Desk  
OPP/RD, Fungicide Branch (7504P)  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460-0001

Dear Ms. Waller:

In support of this notification, please find the following documents enclosed:

- Application for Pesticide Registration (EPA form 8570-1)
- Labeling for the Alternate Brand Name, TURFCIDE 400 (Ref. No. 8992-20080606r1)

Please feel free to contact me if you have any questions at 1-949-221-6126 or email [juliet@amac-chemical.com](mailto:juliet@amac-chemical.com). Thank you for your attention to this matter.

Best Regards,

freier

Julie Tran  
Regulatory Product Manager

20091215.jtt.pcnb.us

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# Turfside® 400

## FLOWABLE TURF FUNGICIDE

**NOTIFICATION**

**MAR 8 - 2010**

**ACTIVE INGREDIENT: (% by weight)**

Pentachloronitrobenzene (PCNB)..... 40.0%

**INERT INGREDIENTS:**..... 60.0%

**TOTAL:** ..... 100.0%

Contains 4 lbs. of Pentachloronitrobenzene per U.S. gallon

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

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 15-20 minutes.</li> <li>• Remove contact lenses, 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 clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</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 further treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
Transportation: CHEMTREC..... 1-800-424-9300	
Other: AMVAC..... 1-323-264-3910	

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-8992

NET WEIGHT:

EPA Est. No. \_\_\_\_\_



4100 E. Washington Blvd.

Los Angeles, CA 90023 U.S.A

1-323-264-3910 • www.amvac-chemical.com

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Harmful if absorbed through the skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

#### Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, or nitrile rubber, or neoprene rubber or viton
- Shoes plus socks

#### Mixers and Loaders Must Wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, or nitrile rubber, or neoprene rubber or viton
- Shoes plus socks
- For exposures in enclosed areas: A respirator with an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number 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 exposure outdoors: Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R,P or HE filter.

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)(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, or 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.

## **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 to turf through any type of irrigation system.

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

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 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 nitrile rubber, or neoprene rubber, or viton
- Shoes plus socks

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**GENERAL INFORMATION**

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TURFCIDE 400 is a preventative fungicide recommended for control of certain soil borne diseases of turf crops.

Best results are achieved when used in a preventative program following recommended rates and application directions.

Carefully read, understand and follow label directions.

**COMPATIBILITY**

For broad spectrum disease control, this product can be tank mixed with TERRAZOLE® 35WP\* (EPA Reg. No. 400-416) for use on turf in accordance with the more restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Do not tank mix with other chemicals unless prior use has proven compatibility.

**LAWNS AND TURF**

TURFCIDE 400 is a fungicide for the prevention and control of certain soil borne diseases on golf courses, sod farms, home lawns and institutional areas where turf is grown.

Best results are obtained when TURFCIDE 400 is used as a preventative application before diseases appear, however, if you do not apply as a preventative treatment, TURFCIDE 400 should be applied at first sign of disease.

Areas treated with TURFCIDE 400 should be watered following application to move material down to the soil level. If treated area is subjected to flooding or unusually heavy rainfall, or if disease is severe or reappears, the area should be treated again.

See use and rate recommendations for retreatment intervals. Do not graze treated areas or feed clippings to livestock.

Under certain growing conditions, a temporary discoloration of the grass may occur. This causes no harm and will disappear in a short time.

## USE AND RATE RECOMMENDATIONS FOR TURF

DISEASE	TURF TYPE	FL. OZS. PER 1000 SQ. FT.	APPLICATION NOTES
Brown Patch ( <i>Rhizoctonia solani</i> )	Warm climate grasses such as: St. Augustine Bermuda	16-24	Mix specified amount in 1-5 gals of water and apply a single application in the spring or fall at first indication of disease. If disease is sever or reappears, area should be retreated 3 – 4 weeks later
	Dichondra	16-24	Mix specified amount in 5-10 gals of water and treat as above.
	Cool climate grasses such as: Bluegrass Ryegrass Fescue Bent	4 ½ to 6	Mix specified amount in 1-5 gals of water and apply at first sign of disease.  Repeat every 7 to 10 days during warm, damp weather. For control of existing infections, apply at higher rates as soon as symptoms appear. Do not apply at daytime temperatures of 85° or higher.
Melting Out/ Leaf Spot* ( <i>Drechslera spp.</i> , <i>Biopolaris spp.</i> , <i>Exserohilum spp.</i> )	All	10 ½ to 15	Mix specified amount in 1-5 gals. of water and apply as a preventative application in the spring or fall of each year. For control of existing infections, apply at higher rates as soon as symptoms appear. Do not apply at daytime temperatures of 85°F or higher
Dollar Spot* ( <i>Sclerotinia homeocarpa</i> )		3	For maximum spring disease protection of Melting Out/Leaf Spot on cool season grasses, apply 3 fl. oz. in 1-5 gals. of water per 1000 sq. ft. at the time of first mowing and repeat applications at two week intervals. Do not make more than a total of 5 applications. Tank mix applications with benzimidazole or sterol inhibitor fungicides late in the program may enhance activity against Dollar Spot and Brown Patch disease.
Gray Snow Mold ( <i>Typhula spp.</i> )	Cool climate grass	12- 16	Mix specified amount in 1-5 gals. of water and apply one application prior to first snowfall or when temperatures remain below 60°F and extended wet conditions are expected. In the absence of snow



Pink Snow Mold ( <i>Microdochium nivale</i> )			cover, supplemental applications of 3-6 fl. oz. can be applied at 4 to 6 week intervals to maintain control when disease pressure is severe. *Note: TURFCIDE 400 must be moved into the soil thatch layer to be effective. Applications made in less than 5 gals. of water must receive 0.25" of irrigation or rainfall prior to snow cover
		3	For maximum spring disease protection of pink snow mold, apply 3 fl. oz. in 1-5 gals. of water per 1000 sq. ft. at the time of first mowing and repeat applications at two week intervals. Do not make more than a total of 5 applications. Tank mix applications with benzimidazole or sterol inhibitor fungicides late in the program may enhance activity against Dollar Spot and Brown Patch disease.

\*Use not registered by California Department of Pesticide Registration

### STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not reuse empty containers. Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep container closed when not in use. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

**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:

**Plastic containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of 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 conforms 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. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW 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.**

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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.

Turfcide is a registered trademark of Amvac Chemical Corporation.

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