

45728-26

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



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

SEP 30 2003

Jean-Michel Denis
Taminco, Inc.
1950 Lake Park Drive
Smyrna, GA 30080

Subject: Spotrete-F
EPA Reg. No. 45728-26
Submission dated May 30, 2003

Dear Jean-Michel Denis:

The revised product labeling referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

Submit one copy of the final printed label before releasing the product for shipment. If you have questions, please contact Dennis McNeilly at (703) 308-6742 or electronically at mcneilly.dennis@EPA.gov.

Sincerely,

Cynthia Giles-Parker
Product Manager (22)
Fungicide Branch
Registration Division (7505C)



Spotrete™ F

TURF FUNGICIDE AND ANIMAL REPELLENT

For the control of select foliar diseases in non-residential turf and animal repellency on deciduous and evergreen trees and shrubs (and non-bearing vines and orchards).

ACTIVE INGREDIENT:

Thiram* [Tetramethylthiuram disulfide].....42.11%
 INERT INGREDIENTS.....57.89%
TOTAL 100.00%

Equivalent to 4.0 lb Thiram per U.S. gallon or 480g/l

EPA Reg. No. 45728-26

EPA Est. No. 37429-GA-02

Keep Out Of Reach Of Children

CAUTION

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> ♦ Call a poison control center or doctor immediately for treatment advice. ♦ Have 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 IN EYES	<ul style="list-style-type: none"> ♦ 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 ON SKIN OR CLOTHING	<ul style="list-style-type: none"> ♦ 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	<ul style="list-style-type: none"> ♦ 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300. For product usage information, phone Tamino, Inc., toll free at (800) 426-3820 from 9:00 AM to 5:00 PM Eastern time.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution: Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Do not take alcohol immediately before or after exposure to this product. The consumption of alcohol by the applicator can increase the toxicity of the product. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not graze treated areas or feed clippings to livestock.

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 C on an EPA chemical resistance selection chart.

Applicators and other handlers must wear: long sleeve shirt and long pants, chemical resistant gloves, (such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils), protective eyewear and shoes with socks. For exposures in enclosed areas: a respirator with an organic vapor-removing cartridge with a pre-filter 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. 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: 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 outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 by cleaning of equipment or disposal of equipment washwaters. Do not apply where conditions favor drift from treatment area. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

PHYSICAL AND CHEMICAL HAZARDS: Keep away from heat and open flame.

STORAGE AND DISPOSAL

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

Storage: Do not contaminate water, food, or feed by use or storage. Store in original containers only in a secured area inaccessible to children and unauthorized persons. Absorb spills onto clay, sand or vermiculite and hold for proper disposal. Protect from excessive heat. Keep from freezing.

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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

Not for use on residential turf.

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 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 24 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, chemical resistant gloves, (such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton ≥14 mils), protective eyewear and shoes with socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only 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 greenhouses.

Non-Residential Turf Uses: Do not enter or allow others to enter treated areas until sprays have dried.

GENERAL INFORMATION

SPOTRETE F is to be used for the prevention and control of the foliar diseases mentioned below. It can provide both curative and protective action of common turf diseases. Start preventative applications when conditions for disease occurrence are favorable and repeat at 7-10 day intervals until disease threat is past. Start curative applications when disease first appears and repeat at 7-10 day intervals as necessary. For best results, use spray mixture the same day it is prepared. Spray uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for twelve hours after application.

SPOTRETE F may be used in a tank mix with slower acting fungicides to enhance the initial control of foliar turf pathogens. SPOTRETE F provides effective control of Snow Mold (*Fusarium nivale* and *Typhula* spp.) when combined with other snow mold products with enhanced longevity. This product can be mixed with Iprodione, Thiophanate-methyl, Propaconazole, Triadimefon, Chlorothalonil, PCNB, Myclobutanil, Azoxystrobin, and Mancozeb for use on listed crops and sites in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be reduced or exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

SPOTRETE F may be used with dicarboxamide fungicides for the management of disease resistance. Thiram has been shown to have negative cross-resistance to iprodione and vinclozolin resistant strains of fungi. Consult product labels for instructions on use. No claim of compatibility with other pesticides is implied. When tank mixing, read and observe the most restrictive precautionary statements and other infor-

mation appearing on product labels.

SPOTRETE F can be used to protect nursery stock, shrubs, ornamentals, non-bearing orchards and vines such as grape vines from rabbit, deer and rodent depredation. Non-bearing is defined as crops that will not bear fruit within one year of application. Spotrete F cannot be used on crops that will bear fruit within one year of application. One application will protect treated parts from 1 to 3 months, depending upon weather conditions. This product can also be used as a repellent in deterring deer from moving into unwanted areas as a result of local feeding and browsing. The addition of a latex based sticker, such as CLEARSPRAY T/O, prolongs the residual effectiveness of the treatment. Repellency is the result of rendering the treated plant parts distasteful. Some feeding may occur. As always, read and follow label directions for best results.

TURF APPLICATIONS (for use on non-residential turf only)

Dollar Spot, Brown Patch, Rust, Leaf Spot, Red Thread, Copper Spot, and Melt Out

Preventative Dosage: Apply in mid-spring or when disease symptoms first appear. Spray at 7-10 day intervals throughout the expected disease period. Use 3 3/4 fl oz of SPOTRETE F per 1,000 sq ft (5 quarts per acre) in 2-5 gal of water.

Curative Dosage: Apply 7 1/2 fl oz per 1,000 sq ft (2 1/2 gal per acre) in 2-5 gal of water. Apply when disease first appears and repeat application at 3-5 day intervals as necessary. When disease is controlled, follow preventative instructions.

Pink and Gray Snow Mold (*Fusarium nivale* and *Typhula* spp.)

SPOTRETE F provides effective control of Snow Mold (*Fusarium nivale* and *Typhula* spp.) when combined with other snow mold products with enhanced longevity. This product can be mixed with Iprodione, Thiophanate-methyl, Propaconazole, Triadimefon, Chlorothalonil, PCNB, Myclobutanil, Azoxystrobin, and Mancozeb for use on listed crops and sites in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be reduced or exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Spray in early to mid-winter just prior to the first snowfall. Tank mix 6-12 fl oz of SPOTRETE F per 1,000 sq ft (2-4 gal per acre) with the recommended rate of one or more of the active ingredients indicated above in sufficient water (2-5 gal per 1,000 sq ft recommended) for proper coverage. If possible, make repeat applications following each thaw using 3 fl oz per 1,000 sq ft (1 gal per acre) alone or tank mixed as above. Follow with an application in early spring using 3 fl oz per 1,000 sq ft (1 gal per acre) alone or tank mixed as above. The addition of a latex based sticker to the pre-snow treatment prolongs the residual effectiveness of the treatment. For additional information, refer to local state extension recommendations for tank mix combinations shown effective for your area.

DEER, RABBIT AND RODENT REPELLENCY on Deciduous and Evergreen Trees and Shrubs (and Non-Bearing Vines and Orchards Such as Grape Vines)

Spray Applications: Growing Season

Non-bearing is defined as crops that will not bear fruit within one year of application. Spotrete F cannot be used on crops that will bear fruit within one year of application.

Add 1 quart SPOTRETE F to 7 quarts of water and apply as a full coverage spray to all portions of the plant to be protected. Spray to runoff. For greater retention and residual efficacy add 1 pint of latex based sticker, such as Cleary's ClearSpray T/O, to the spray solution. Do not use wetting agents or surfactants as foliar damage may result. For best results spray when temperatures are greater than 40°F and relative humidity is less than 70 percent. Coverage depends on plant density. Repeat applications may be neces-

sary to protect new growth.

Spray Application: Tree Trunks and Dormant Plants

Add 1 quart of SPOTRETE F to 3 quarts of water and apply as a spray to all portions of the plant to be protected. Spray to runoff. For greater retention and residual efficacy add 1 pint of latex based sticker, such as Cleary's ClearSpray T/O, to the spray solution.

Brush On Application:

Add SPOTRETE F undiluted with a paintbrush to stem parts and trunks to be protected. For greater retention and residual efficacy blend 4 fluid ounces of latex based sticker, such as Cleary's ClearSpray T/O, into 1 gal. of SPOTRETE F prior to brushing.

Deer Repellency:

SPOTRETE F is useful as a repellent for deterring deer from migrating into unwanted areas. It works by discouraging deer from localized feeding and browsing. The product is most effective when used in combination with mechanical deterrents such as ditches, fences, etc. Prepare and spray SPOTRETE F exactly as for rabbit and rodent repellency (above), depending upon season and type of application desired. Spray to a height of 5 feet (1.5 meters). Repeat applications may be necessary to protect new growth.

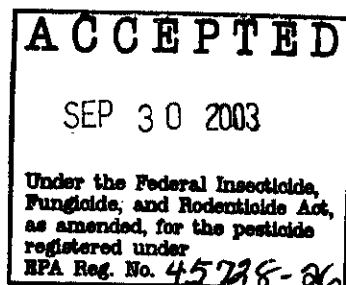
TERMS OF SALE OR USE:

On purchase of this product, buyer and user agree to the following conditions:

Warranty: Taminco Inc. makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

For emergencies involving a spill, leak, fire, exposure, or accident, contact: CHEMTREC at (800) 424-9300. For product usage information, phone Taminco, Inc., toll free at (800) 426-3820 from 9:00 AM to 5:00 PM Eastern time.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.



Taminco, Inc.
1950 Lake Park Drive
Smyrna, GA 30080

Spotrete F is a registered trademark of Cleary Chemical Corporation.

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