

400-434

5/19/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505C)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

NOTICE OF PESTICIDE:
 Registration
 Reregistration
 (under FIFRA, as amended)

EPA Reg. Number:

400-434

Date of Issuance:

MAY 19 2009

Terms of Issuance:
Conditional

Name of Pesticide Product:
Thiram 480 DP

Name and Address of Registrant (include ZIP Code):

Chemtura Corporation
 199 Benson Road
 Middlebury, CT 06749

Attn. Michael R. Dupre

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

Based on your response to the Reregistration Eligibility Document(s), EPA has reregistered the product listed above. Enclosed is a copy of your label stamped "Accepted with comments." This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Signature of Approving Official:

Shaja Joyner
 Shaja Joyner, Product Manager Team 20
 Fungicide Branch
 Registration Division (7505P)

Date:

MAY 19 2009

EPA Reg. No. 400-434

Submit one copy of your final printed labels, with the changes herein, before you release the product for shipment.

1. Please remove company website from the label. Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website labeling under the Federal Insecticide, Fungicide and Rodenticide Act is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E) 40 CFR 156.10 (a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.
2. On page 2, revise the User Safety Recommendation text currently on the label to read as follows:

"User should remove clothing/PPE immediately if pesticide gets inside."
3. On page 2, add the following headings:

"User Safety Requirements" must be added before this statement "Follow manufacturer's instructions for cleaning/maintaining PPE.....use detergent and"

"Endangered Species" must be added before the paragraph after the User Safety recommendations box.
4. On page 4, the Storage and Disposal statement must be revised to comply with per PR Notice 2007-4.

The one-year, room temperature Storage Stability and Corrosion Characteristics data (830.6317 and 830.6320) are still outstanding for this product.

If these conditions are not complied with, the 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.

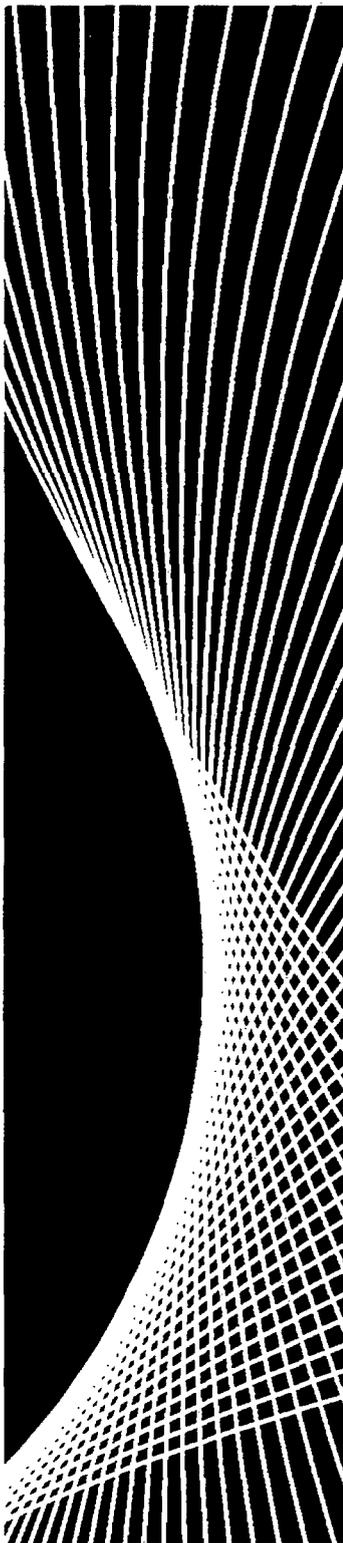
Enclosures: Product Reregistration Review (dated March 4, 2009)
Acute Tox Review (dated September 19, 2008)
Product Chemistry Review (dated October 3, 2008)

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ACCEPTED
with COMMENTS
In EPA Letter Dated

MAY 19 2009
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
400-434

Thiram 480 DP



Turf Fungicide and Mammal Repellent

Intended for use by professional applicators only
Not for sale or use by homeowners/consumers

Net
Contents:

Active Ingredient: (% by weight)	
thiram (tetramethylthiuram disulfide)*	42%**
Other Ingredients:	58%
Total:	100%

*CAS No. 137-26-8

**Contains 4 pounds of thiram per gallon, or 480 grams of thiram per liter

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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR ON CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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.

NOTETOPHYSICIAN:No specific antidote is available.Treat symptomatically.In the presence of consumed alcohol, thiram responds similarly to Disulfiram.

SYMPTOMS OF POISONING: No specific symptoms. Acute poisoning is accompanied by general depression and illness. Consumption of alcoholic beverages with exposure to Thiram may cause flushing, breathing difficulty, nausea, vomiting and low blood pressure.

EPA REG. NO. 400-434
EPA EST. NO.
004



Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

www.chemtura.com

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

EMERGENCY PHONE

800-292-5898

SAFETY DATA AND INFORMATION

866-430-2775

TRANSPORTATION EMERGENCY (CHEMTREC)

800-424-9300

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist or vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not use or store near food or feed.

Routinely shower or bathe after work. Consumption of alcoholic beverages increases the toxic effects of thiram.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

Applicators and other handlers must wear:

- long sleeved shirt and long pants
- shoes plus socks
- chemical resistant gloves, except when applying while driving motorized ground equipment

All mixers, loaders, applicators, people participating in dip treatments, and other handlers must wear: Long-sleeved shirt and long pants; shoes plus socks; chemical-resistant gloves, except when applying while driving motorized ground equipment; chemical resistant apron when mixing, loading, participating in dip treatments, or cleaning up spills, cleaning equipment or otherwise exposed to the concentrate.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- **Users should remove clothing immediately if pesticide gets inside.**
- 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.

This product may have effects on federally listed, threatened, or endangered species, or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species bulletin for the county or Parish in which you are applying the treated seed. To determine whether your county or Parish has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product.

ENVIRONMENTAL HAZARDS

This pesticide product is **toxic to fish, aquatic invertebrates, oysters and shrimp**. 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 from treated areas may be hazardous to aquatic organisms in neighboring areas. **Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.**

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read all label directions and precautions carefully before use.

Do not apply this product through any type of irrigation system.

Do not apply by air.

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 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, shoes plus socks, chemical resistant gloves made of any waterproof material, protective eyewear.

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 greenhouses. Do not enter or allow others to enter the treated area until sprays have dried.

GENERAL INFORMATION

Thiram 480 DP may be used as a fungicide for the control of Snow Mold, Brown Patch and Dollar Spot on turf or as a repellent for use in protecting trees, shrubs and ornamental plants from rabbit, deer and rodent depredation.

Thiram 480 DP is a suspension concentrate which, when mixed with water, is used as a dip application for young plants or sprayed onto the turf or plant foliage using standard spray equipment. Thiram 480 DP can also be applied undiluted with a brush to stems and trunks of plants.

MIXING INSTRUCTIONS

THOROUGHLY MIX CONTENTS IN CONTAINER BEFORE USING. Fill the spray tank with the required amount of water. Then add the recommended amount of Thiram 480 DP to the spray tank. Thiram 480 DP is a suspension type product, therefore, constant agitation during mixing and application is necessary to maintain a uniform solution. Be sure to reagituate solution if spraying is interrupted. Make up only as required. **Do not store overnight in the spray tank.**

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles. Apply only when the wind speed is 2-10 mph at the application site. Do not apply with a nozzle height greater than 4 feet above the leaf canopy.

Do not apply this product using a high-pressure hand wand or a rights-of-way sprayer.

FOR DISEASE CONTROL ON GOLF COURSE TEES AND GREENS

Thiram 480 DP, when used in conjunction with good turf management, will prevent and control Snow Mold, Brown Patch and Dollar Spot on golf tees and greens.

APPLICATION INSTRUCTIONS

Use enough water to spray or sprinkle the area thoroughly (usually 5 to 10 gallons per 1,000 square feet).

The maximum winter application rate for turf is a single application of 16.3 lbs ai/acre or 0.374 lbs ai/1000 sq. ft. The maximum summer application rate for turf is 3 applications of 10.2 lbs ai/acre or 0.234 lbs ai/1000 sq. ft. The maximum annual application rate is 47 lbs ai/acre or 1.08 lbs ai/1000 sq. ft.

USE RATE AND TIMINGS

Disease	Treatment Type	Rate of Thiram 480 DP/1000 sq. ft.
Snow Mold	Fall Application	12 fluid ounces
	Spring Application	4.5 fluid ounces
Apply as late in the Fall as possible, prior to snowfall. Follow with a Spring application as soon as snow melts.		
Brown Patch Dollar Spot	Preventative	4.5 fluid ounces
	Curative	6.75 fluid ounces
Make regular spray applications at intervals of 14 days. When conditions are unusually favorable for the development of disease or when the disease is active, use the rate for curative treatment listed above. Begin sprays before the earliest probable appearance of the diseases and continue throughout the season. When a preventative schedule is not followed, the turf should be inspected each morning and treatment applied at first sign of disease. When treating golf greens, always treat aprons and approaches.		

NOTE: Do not water or mow grass after treatment until the fungicide is thoroughly dry, preferably 24 hours after application. Do not graze treated areas. Do not feed grass clippings to livestock.

FOR USE AS A REPELLENT ON NON-BEARING TREES, SHRUBS, NURSERY STOCK AND ORNAMENTALS

Thiram 480 DP, when used as directed, protects non-bearing trees, shrubs, nursery stock and ornamentals from rabbit, deer and rodent depredation. Repellency results from the distastefulness of treated plant parts.

One application will protect treated parts from 1 to 3 months, depending on weather conditions. The addition of a latex type sticker as directed will prolong the residual effectiveness of the treatment.

MIXING INSTRUCTIONS

THOROUGHLY MIX CONTENTS OF CONTAINER BEFORE USING. Fill the spray tank with required amount of water. Then add the recommended amount of Thiram 480 DP to the spray tank. Thiram 480 DP is a suspension type product; therefore, constant agitation during mixing and application is necessary to maintain a uniform solution.

Mix only enough solution for immediate use as the solids will settle and are difficult to resuspend. **Do not store overnight in the spray tank.**

Where a sticker is advised for prolonged retention, use a suitable resin. Do not use wetting or spreading additives (surfactants), as severe crop injury may result.

APPLICATION RECOMMENDATIONS

Do not apply to fruit trees or other plants with edible fruit that will bear fruit within one year of application.

Apply Thiram 480 DP undiluted with a brush, or diluted with water as a spray or dip. Spray applications should be made with a hand wand sprayer to give a heavy coating to the twigs and foliage to be protected.

The **maximum application** rate for product applied as a mammal (deer) repellent is **one quart** of product in **3 to 7 gallons of water** applied in an area of **1000 square feet**.

Treat before expected time of animal damage. Thoroughly cover area to a point well above the reach of animals.

To permit repellent film to properly set, application should be made under favorable drying conditions (relative humidity below 70%) and when the temperature is above 40°F.

Thoroughly flush sprayer screens and nozzles promptly following use.

NOTE: Applications to ornamentals are restricted to the winter season (October through March), and to the states of CT, DE, IL, IN, MA, MD, MI, MN, NH, NJ, NY, OH, PA, RI, VT, WI, and WV.

Brush on Coatings: Apply Thiram 480 DP undiluted with a brush to stem parts and trunks to be protected. To increase residual beyond 3 months, add a small amount (2% to 4%) of latex-type sticker.

Spray Applications During the Growing Season: Add 1 qt. of Thiram 480 DP and 1 pt. of latex type sticker to 7 qts. of water. Apply as a full coverage spray to the point of runoff to all portions of the plant to be protected. Repeat applications may be necessary to protect new growth. The use of the sticker is not necessary under low rainfall conditions or where repeat applications are needed to cover new growth.

Spray Application, Tree Trunks or Dormant Plants: Add 1 qt. of Thiram 480 DP to 3 qts. water. Spray all portions of the plant to be protected to the point of runoff. For longer protection, add 1 pt. of latex type sticker.

Spray Application, Dormant Apple Twigs, for Protection from Deer: Add 2 gals. of Thiram 480 DP plus 1 gal. of latex type sticker to 100 gals. of water. Apply as twig spray following leaf fall, thoroughly wetting twigs to a height of 5 feet. This rate will also protect summer growth from deer nibbling. Higher rates of Thiram 480 DP may be needed under conditions of heavy deer pressure.

Dip Application: Young nursery plants may be treated at the time of transplanting by dipping the tops in a solution prepared by mixing 1 qt. of Thiram 480 DP plus 1 qt. of latex type sticker in 2 qts. of water.

NOTE: Seedlings treated with this product must bear distinct labeling that instructs:

"CAUTION: Treated with thiram. Wear rubber gloves and protective clothing when handling products treated with thiram. Direct exposure to skin may result in severe dermatitis."

ALWAYS SHAKE OR STIR THIS PRODUCT WELL BEFORE USE.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. After partial use, replace lid and close tightly to prevent evaporation. Store in a secure place that is temperate, dry and out of direct sunlight.

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 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 other procedures approved by State and local authorities.

IMPORTANT NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law, the buyer assumes the risk of any such use.

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