

400-434

10/17/2008

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OCT 17 2008

Michael Dupre
Product Registration Manager, North America
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

SUBJECT: Application for Pesticide Notification – Change in Primary Brand Name from Optima 4F
to Thiram 480DP
EPA Reg. No. 400-434
Application Dated November 7, 2007

Dear Mr. Dupre:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 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 actions 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 contact me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

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

EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company / Product Name 400-434	2. EPA Product Manager Mary Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company / Product (Name) Optima 4F	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Chemtura Corporation 199 Benson Road Middlebury, Connecticut 06749 <input type="checkbox"/> check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(1), my product is similar or identical in composition and labeling to: EPA Reg No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____.
<input type="checkbox"/> Resubmission in response to Agency letter dated _____.	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

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

Notification of Change in Primary Brand Name, per PR Notice 98-10: Thiram 480DP

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 of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No <i>* Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
If "Yes" Unit Packaging wgt No. Per container		If "Yes" Packaging wgt No. Per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	
5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product		6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other	

Section - IV

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

Name Allen R. Blem	Title Registration Specialist	Telephone No. (Include Area Code) (203) 573-2487 e-mail: allen.blem@chemtura.com
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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 statements may be punishable by fine or imprisonment or both under applicable law.

2. Signature <i>Allen R. Blem</i>	3. Title Product Registration Manager, North America
4. Typed Name Michael Dupre	5. Date 11/7/07

6. Date Application Received (Stamped)



Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

203-573-2000 tel
www.chemtura.com

November 7, 2007

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
2777 S. Crystal Drive
Room S-4900, One Potomac Yard, 4th Floor
Arlington, Virginia 22202-4501

Attention: Ms. Linda Arrington, Notifications
Registration Division (7504P)

Subject: Notification of Change in Primary Brand Name,
per PR Notice 98-10

Dear Ms. Arrington:

Chemtura Corporation (Company No. 400) herein submits an Application for
Amendment of Registration by the Notification Method for a Change in Primary Brand
Name for a registered product:

EPA Reg. No. **400-434**

Old Name: Optima 4F

New Primary Brand Name: Thiram 480DP

If you have any questions about this notification for a change in Primary Brand Name,
please contact Allen Blem (Registration Specialist) at (203)573-2487 or email
allen.blem@chemtura.com.

Sincerely,

Chemtura Corporation

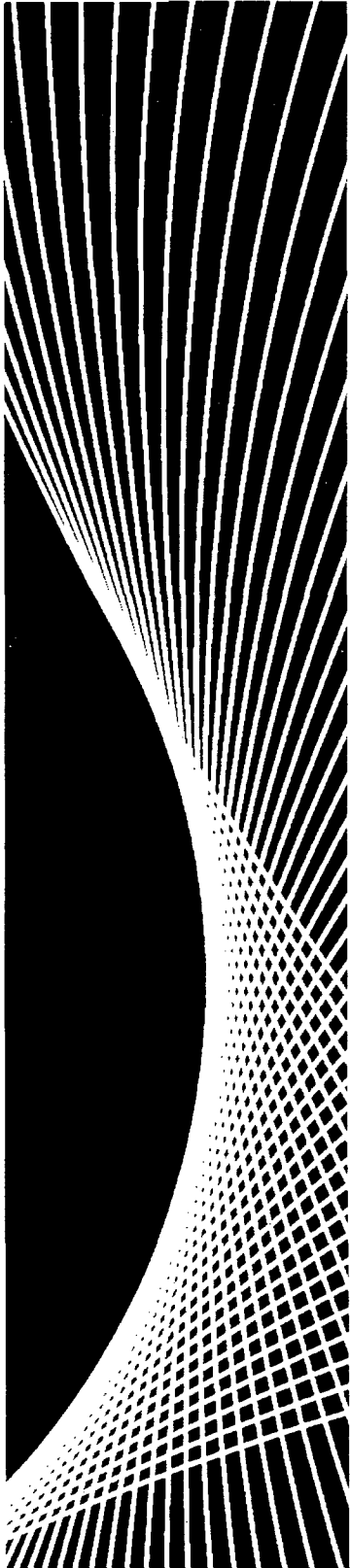
Michael Dupre
Product Registration Mgr., N.A.

Attachments:

1. Form 8570-1, with compliance statement
2. Product label version 001/20503

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Thiram 480 DP



Turf Fungicide

Net Contents:

Active Ingredient: (% by weight)
 thiram (tetramethylthiuram disulfide) 42%
 Inert Ingredients: 58%
 Total: 100%
 Contains 4 pounds of thiram per U.S. gallon.

NOTIFICATION

OCT 16 2008

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
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.
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 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 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.

EPA REG. NO. 400-434
 EPA EST. NO.
 001/020503



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

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. In case of poisoning, call a physician immediately. Have patient lie down and keep quiet.

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

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

Causes eye and skin irritation. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin, or on clothing. Avoid inhaling of spray mist. 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

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 category selection chart.

Applicators and Other Handlers Must Wear: A long-sleeved shirt & long pants; chemical-resistant gloves, such as barrier laminate or butyl or nitrile or neoprene rubber or polyvinyl chloride or viton; shoes plus socks; protective eyewear

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 product is **toxic to fish**. Do not contaminate water when disposing of equipment washwaters. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

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.

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

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
- chemical resistant gloves such as barrier laminate, or butyl, or nitrile or neoprene rubber, or polyvinyl chloride or viton
- shoes plus socks
- protective eyewear

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 for rabbits, 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.

FOR DISEASE CONTROL ON LAWNS AND TURF

Thiram 480 DP when used in conjunction with good turf management, will prevent and control Snow Mold, Brown Patch and Dollar Spot on golf greens, grass tennis courts, lawns and other fine turf.

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 reagitae solution if spraying is interrupted. Make up only as required. **Do not store overnight in the spray tank.**

APPLICATION INSTRUCTIONS

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

For high pressure sprayers, use from 200 to 300 pounds pressure and 5 gallons of water per 1,000 square feet applied as a fine spray.

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 7 to 10 days. When conditions are unusually favorable for the development of disease or the disease is active, reduce the interval between sprays to 3 to 5 days and 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.

Thoroughly flush sprayer screens and nozzles promptly following use. 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.

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 or power pressure sprayer to give a heavy coating to the twigs and foliage to be protected.

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."

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 abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool location. Keep container tightly closed to prevent evaporation. Stir before using.

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: 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.

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