

#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460

**EPA Registration.** Number:

Date of Issuance:

70506-206

JAN 3 1 2008

NOTICE OF PESTICIDE:

x Registration \_ Reregistration (under FIFRA, as amended) Term of Issuance:

Conditional

Name of Pesticide Product:

Tebuconazole/Topsin Premix

Name and Address of Registrant (include ZIP Code):

United Phosphorus, Inc.

630 Freedom Business Center Drive, Suite 402

King of Prussia, PA 19406

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.

This product is conditionally registered in accordance with FIFRA sec. 3 (c) (7) (A) provided that you:

- 1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
- 2. Make the following label changes:
- a. Change the EPA Registration Number to 70506-206
- Page 1 Ingredient Statement: Move the word "Total" all the way to the right hand margin so it falls immediately below "Other"; however, leave the "100.0%" where it is.
- Page 1 Change the EPA Registration Number to 70506-206. C.

(Continued)

Signature of Approving Official:

Mary L. Waller

Date:

1/31/2008

Mary L. Waller, Product Manager 21

Fungicide Branch

Registration Division (7505P)

EPA Form 8570-6

- 2. Make the following label changes (continued):
- d. Page 2 Under "Personal Protective Equipment" change the first bullet "Long-sleeved shirt and long pans" to "Long-sleeved shirt and long pants."
- e. Page 2 Agricultural Use Requirements Box:
  - Add the sentence: "Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas."
  - Change the text "Exemption: If the product is applied by drenching, the Worker Protection Standard . . . " to "Exemption: The Worker Protection Standard . . . "
- f. Page 7 Conditions of Sale and Limitation of Warranty and Liability:
  At the end of the paragraph beginning "The Directions for Use . . ." change the sentence "All such risks shall be assumed by Buyer and User . . ." to "To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User . . ."
- 3. Provide the following as conditions of registration:
- a. OPPTS number 830.6314 oxidation/reduction due August 1, 2008
- b. OPPTS number 830.6317 one-year storage stability due May 1, 2009
- c. OPPTS number 830.6320 corrosion characteristics due May 1, 2009
- 4. Submit one (1) copy of the revised final printed label before the product is released for shipment.

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.

A stamped copy of the label is enclosed for your records. If you have any questions, contact Lisa Jones of my team at (703) 308-9424 or at jones.lisa@epa.gov.

Sincerely,

Mary L. Waller

Product Manager (21)

Fungicide Branch

Registration Division (7505P)

Mary L. Waller

Enclosure:

Stamped copy of label

November 23, 2007 Acute Tox Review

December 12, 2007 Product Chemistry Review

Stamped on last page 70506-206 January 31, 2008

GROUP & 3 FUNGICIDES

# TEBUCONAZOLE/TOPSIN® PREMIX

# Liquid Flowable Fungicide

ACTIVE INGREDIENT:	
Thiophanate-methyl (dimethyl[1,2-phenylene)- bis(iminocarbonothioyl)]bis[carbamate])*	37.5%
Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]- alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	7.5%
OTHER INGREDIENTS:	
TOTAL:	
*Also known as dimethyl 4,4'-o-phenylenebis[3-thioallophanate]	
Contains 3.6 pounds thiophanate-methyl per gallon.	
Contains 0.7 pounds tebuconazole per 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

#### If swallowed:

- 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:

• 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.

#### If inhaled:

- 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 on skin or clothing:

- 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. **Note to Physician:** No specific antidote. Treat symptomatically. **Symptoms of Poisoning:** The compound does not cause any definite symptoms that would be diagnostic.

#### **EMERGENCY TELEPHONE NUMBERS:**

FOR MEDICAL EMERGENCIES: (303) 623-5716 (Rocky Mountain Poison Control Center) FOR SPILLS OR TRANSPORTATION EMERGENCIES: (800) 424-9300 (Chemtrec)

EPA Reg. No.	70506-ENA		EPA Est. No.
Sold By: United	Phosphorus, Inc. 1800-43	8-6071	
630 Freedom Bu	siness Center, Suite 402		 NET CONTENTS:
King of Prussia,	PA 19406		

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. 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 C on an EPA Chemical-resistance category selection chart. All mixers and loaders and applicators must wear:

- long-sleeved shirt and long pans,
- shoes plus socks,
- chemical-resistant gloves for all mixers and loaders and for applicators using hand held equipment,
- · chemical-resistant apron for mixers, loaders, and other handlers exposed to the concentrate

### USER SAFETY REQUIREMENTS

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

#### 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**

This pesticide is toxic to fish and estuarine and marine invertebrates.

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 apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwater or rinsate.

#### **ENGINEERING CONTROLS**

When handlers use enclosed cabs in a manner that meets the requirements listed in the worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

# DIRECTIONS FOR USE SHAKE WELL BEFORE USING

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.

### 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 12 hours. Exemption: If the product is applied by drenching, 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 over long-sleeved shirt and long pants, chemical-resistant gloves made from any waterproof material, chemical-resistant footwear plus socks, and chemical-resistant headgear for over head exposures.

#### GENERAL INSTRUCTIONS AND INFORMATION

Apply TEBUCONALE/TOPSIN PREMIX (PREMIX) with ground or aerial equipment using sufficient volume of spray to provide thorough coverage. PREMIX may be applied in a minimum of 10 gallons of spray solution per acre by ground or in a minimum of 5 gallons of spray solution per acre by air. Check equipment calibration frequently. Continuous agitation is required to keep the material in suspension.

Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage. Higher spray volume will generally result in better coverage and disease control. See local State Extension Service recommendations for application schedules.

## SPRAY EQUIPMENT

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use. Check nozzle manufacturer's recommendations.

Use a pump with capacity to: (1) maintain at least 35-40 psi at nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension – this requires recirculation of 10% of tank volume per minute. Use a jet agitator or liquid sparge tube for agitation.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state and local agricultural recommendations.

## SPRAY DRIFT MANAGEMENT

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

- 1. Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If non-target crops are located downwind, use caution when spraying if wind is present.
- 2. Use caution when conditions are favorable for drift (high temperatures and or low relative humidity).
- 3. Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

#### MIXING AND COMPATIBILITY INSTRUCTIONS

Mixing: Thoroughly clean spray equipment before using this product. Fill spray tank half full and add recommended amount of PREMIX into the spray tank while filling with water to the desired level. Operate the agitator while mixing. Prepare no more spray mixture than is required for the immediate operation. If other materials are added to the spray tank, the PREMIX should be thoroughly dispersed prior to the addition of other materials. Begin application of the solution when the PREMIX has completely dispersed in the mix water.

Maintain agitation until all of the mixture has been applied. Do not let spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

Compatibility: To determine the compatibility of PREMIX with other products, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

THE CROP SAFETY OF ALL POTENTIAL TANK MIXES INCLUDING ADDITIVES AND OTHER PESTICIDES ON ALL CROPS HAS NOT BEEN TESTED. BEFORE APPLYING ANY TANK MIXTURE NOT SPECIFICALLY RECOMMENDED ON THIS LABEL, THE SAFETY TO THE TARGET CROP SHOULD BE CONFIRMED.

#### INTEGRATED PEST (DISEASE) MANAGEMENT

PREMIX should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. Consult your local agricultural authorities for additional IPM strategies established for your area. PREMIX may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

#### RESISTANCE MANAGEMENT

PREMIX is a mixture of Group 1 (thiophanate-methyl) and Group 3 (tebuconazole) fungicides. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include rotating and/or tank mixing with products having different modes of action or limiting the total number of applications per season.

CROP	DISEASES	RATE FL. OZ. PREMIX / ACRE	REMARKS
		,	Do not apply more than 49.6 fl oz of PREMIX (1.67 lbs a.i.)/A/season.
		•	Pre-harvest interval: 14 days
Peanuts General Information	Do not feed hay or threshings or allow livestock to graze in treated areas.		
		Follow resistance management guidelines included on this label.	

CROP	DISEASES	RATE FL. OZ. PREMIX / ACRE	REMARKS
	SOILBORNE:	12.4	PREMIX has the maximum-labeled rate of the
	Cylindrocladium		active ingredient thiophanate-methyl and
	Black		limited amount of the second active ingredient,
	Rot (suppression)		tebuconazole.
	Rhizoctonia Limb Rot		FOUR-APPLICATION SPRAY
	Rhizoctonia Pod Rot	·	<b>PROGRAM:</b> Apply the specified rates of the
	(Virginia and North		PREMIX. See table below for proper timing of
	Carolina only)		applications. Applications of chlorothalonil
	Sclerotium Stem and		should be made prior to and following
	Pod Rot		applications of PREMIX to discourage
	(White Mold,		development of resistant strains of fungi. For
	Southern Blight,		optimum control of foliar diseases such as leaf
	Southern	-	rust, web blotch, and pepper spot, the lowest
	Stem Rot)		label recommended rate of a spray surfactant
	·		should be tank-mixed with PREMIX
			LEAF SPOT ADVISORY SCHEDULE: For
	FOLIAR:		control of soilborne diseases within an advisory
	Early Leaf Spot		schedule, apply PREMIX in the first advisory
	(Cercospora)		spray in July and continue applications at 14-
	Late Leaf Spot		day intervals.
	(Cercosporidium)		
	Leaf Rust		PREMIX must be carried by rainfall or
	(Puccinia)		irrigation into the root and pod zone for control
	Limb Rot		of root and pod rots caused by Sclerotium rolfsi
	(Rhizoctonia)	•	and <i>Rhizoctonia solani</i> . Drought conditions will
	Pepper Spot		decrease the effectiveness of PREMIX against
	(Leptosphaerulina)		the root and pod rots. Use PREMIX in
	Web Blotch		conjunction with cultural practices that are
	(Phoma, Ascochyta)		known to reduce the severity of soilborne
			diseases, such as proper crop rotation practices.

Application Timing	of PREMIX for Optimum Control of W	hite Mold and Rhizoctonia Limb and Pod Rot
Spray Program	PREMIX Application No.	Chlorothalonil Application No.
7 applications	3, 4, 5 and 6	1, 2 and 7

# OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

Apply only during alternate years in fields adjacent to aquatic areas listed above.

Do not apply by ground or air within 100 feet of aquatic areas listed above.

Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.

Spray Drift Management: For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wingspan or rotor diameter.

Use the largest droplet size consistent with pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Apply in a minimum of 5 gallons of spray solution per acre by aircraft spray

equipment.

Spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature. Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

#### **ROTATIONAL CROPS**

Treated areas may be replanted with any crop specified on this label as soon as practical after last application. Any crop not specified on this label may be planted into treated areas 120 days after last application.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal Instructions listed below.

**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:** Do not re-use empty container. 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.

Refer to Material Safety Data Sheet prior to use.

## IMPORTANT INFORMATION READ BEFORE USING PRODUCT

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE**: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED PHOSPHORUS, INC. AND SELLER MAKE NO WARRANTIES OR MERCHANTABILITY OF OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

TOPSIN is a registered trademark of Nippon Soda Company, Ltd. and is licensed to NISSO TM LLC, and is covered by one or more of the following U.S. Patents: 3,769,308; .856,847; 4,020,095; and 4,029,813.

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Rev: 1/28/2008

ACCEPTED with COMMENTS In EPA Letter Dated:

JAN 3 1 2008

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.