

400-547

11/12/2008

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7505P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Reg. Number:

**400-547**

Date of Issuance:

**NOV 12 2008**

Term of Issuance:

**Conditional**

Name of Pesticide Product:

**Ipconazole/Thiram 10/350  
FS**

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

**Chemtura Corporation**  
**199 Benson Road**  
**Middlebury, CT 06749-0001      ATTENTION: 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 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 and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.
2. Submit a one year GLP Storage Stability (830.6317) and Corrosion Characteristics (830.6320) studies for proposed product, with recommended observations at 0, 3, 6, 9, & 12 month's periods by November 30, 2009. Also, please submit the results to the Agency in both electronic and hard copy format.
3. Acute and Subchronic Neurotoxicity (870.6200) and Immunotoxicity (870.7800) studies are required for all food and non-food use pesticide registrations per the revised 40 CFR Part 158, and must be submitted by November 30, 2010.

(continued on Page 2)

Signature of Approving Official:

Tony Kish  
 Product Manager, Team 22  
 Fungicide Branch  
 Registration Division (7505P)

Date:

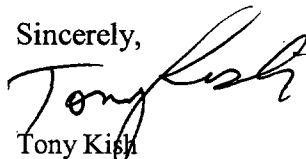
November 12, 2008

4. For the soybean study reported in MRID 45542243 and 45542248, the petitioner must provide the sample analysis dates. In addition, evidence must be provided that the identity of residues did not change during the period between collection and final analysis. Due date is November 30, 2010.
5. For the wheat study reported in MRID 47048924, the petitioner must provide the sample storage conditions for all samples and extracts and provide all sample combustion and analysis dates. The petitioner must explain the discrepancy between their statement that all extractions were completed within 84 days of harvest and the reported extraction dates in Appendix IV of the submission, which indicated that extractions were not completed until 286 days after harvest. Evidence must be provided that the identity of residues did not change during the period between collection and final analysis. Due date is November 30, 2010.
6. Additional storage stability data/information must be submitted for the extracts of certain barley and wheat commodities samples. For the barley and wheat crop field trial studies reported in MRIDs 47048925 and 47048930, the petitioner must submit the conditions of extract storage, and provide storage stability data to support the storage of extracts for durations up to 36 days (barley commodities) or 43 days (wheat commodities). If the petitioner can provide data demonstrating that the extracts of fortified untreated samples for concurrent method recovery analyses were stored for the same durations and under the same conditions as the extracts of treated samples, these data will be considered adequate to support the extended extract storage conditions. Due date is November 30, 2010.
7. The method, as written, does not meet the general requirement as a confirmatory method since only one MS/MS ion transition is documented. The method must be revised to include a second, confirmatory ion transition to provide unambiguous confirmation of analyte identity. Due date is November 30, 2010.
8. The completed radiotracer study for peanuts must be submitted to the Agency by December 31, 2008.
9. A new Chronic Exposure study on *Daphnia magna* to address this data gap must be submitted by November 30, 2010.
10. Submit a revised generic data matrix which correctly addresses all required generic data. If you have questions, please contact us to discuss the revisions required for the subject matrix. Due date is December 31, 2008.
11. Submit two copies of a final printed label within 30 days from the date of this notice that deletes the "Agricultural Use Requirements" box. This box is only required for at-plant applications (hopper box, etc), not commercial seed treatment. There are no at-plant use directions on the label.

Also, bear in mind, in the Agency's risk assessment for 1,2,4-triazole and its metabolites triazole alanine, and triazole acetic acid, dated February 7, 2006 (see docket number 2005-0497 at <http://www.regulations.gov>), the Agency identified additional data that are needed for triazole-derivative active ingredients which have the 1,2,4,-triazole ring. The Agency plans to issue a Data Call-In for all triazole-derivative active ingredients which will identify all data needs for these active ingredients listed in the February 7, 2006 risk assessment. The Data Call-In will not address data needs that are related to parent-only data requirements.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A copy of the label stamped "Accepted with Comments" is enclosed for your records.

Sincerely,



Tony Kish  
Product Manager, Team 22  
Fungicide Branch  
Registration Division (7505P)

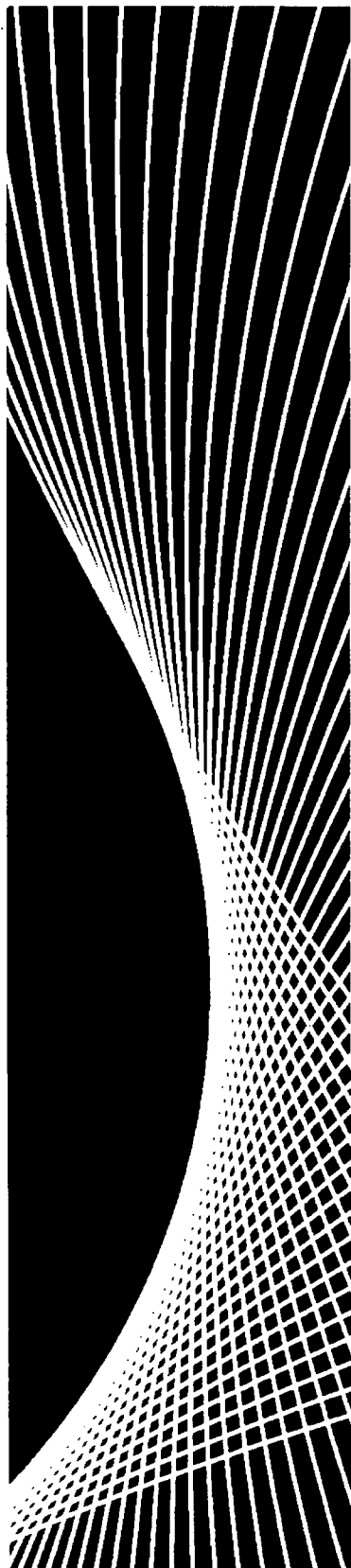
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# Ipconazole/Thiram 10/350 FS

SEED PROTECTANT

Not For Sale To or Use By Home Owners/Consumers

Net Contents:



Active Ingredients: (% by weight)	
ipconazole (CAS No. 125225-28-7).....	0.87%*
thiram (CAS No. 137-26-8).....	30.43%*
Other Ingredients: .....	68.70%
Total:.....	100.00%

\*Contains 0.084 pounds ipconazole and 2.92 pounds thiram per gallon.

\*Contains 10 grams ipconazole and 350 grams thiram per liter.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

- 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.
  - Call a poison control center or doctor for treatment advice.

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

<b>EMERGENCY PHONE</b>	<b>800-292-5898</b>
<b>SAFETY DATA AND INFORMATION</b>	<b>866-430-2775</b>
<b>TRANSPORTATION EMERGENCY (CHEMTREC)</b>	<b>800-424-9300</b>

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
NOV 12 2008**

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

400-547

Manufactured for:  
Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749  
EPA REG. NO. 400-547  
EPA EST. NO.  
001



www.chemtura.com

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

**CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**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, Loaders, Applicators and Other Handlers Must Wear:** Long-sleeved shirt and long pants; shoes plus socks; chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or Viton; and chemical-resistant apron when cleaning up spills, or cleaning equipment.

NOTE: Persons involved in bagging treated seed, sewing or moving bags of treated seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.

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 in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4)], the handler PPE 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.
- 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 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 washwater or rinsate.

Treated seeds are **hazardous to fish, birds and mammals**. Do not plant seeds by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. Plant wheat, barley and oats seed a minimum of 1 inch deep. If seeds are not thoroughly incorporated by the planted during planting, additional incorporation may be required to thoroughly cover exposed seeds. Clean-up, bury or cover all spilled seed with soil.

Ipconazole may persist in soil, and long-term use in the same field may result in an accumulation of active ingredient.

**This product contains thiram.** 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 County Bulletin for the County or Parish in which you are applying the seed. To determine whether your County has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product.

**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 carefully before use.

Do not apply this product in a way that will contact workers or other persons. 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.

After seeds have been planted, do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 24 hours**.

*Exception:* Once treated seeds are planted in soil, or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with treated seed.

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, nitrile rubber, neoprene rubber or Viton; shoes plus socks, and protective eyewear.

**GENERAL**

Ipconazole/Thiram 10/350 FS is a systemic and contact broad-spectrum fungicide for seed treatment that protects against a wide variety of diseases. Seed should be sound and well-cured before treatment.

**SEED TREATMENT EQUIPMENT**

Ipconazole/Thiram 10/350 FS may be applied with mechanical, slurry, or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. Uniform application to seed is necessary to ensure best disease protection and optimum performance. Seed should be sound and well-cured before treatment. Refer to the label rates below.

Ipconazole/Thiram 10/350 FS may be applied to seed as is, or may be diluted with water prior to use, depending on the equipment, application rate and crop. Select a dilution that provides uniform coverage of the seed without producing excessive wetness. Contact your local Chemtura representative or supplier for specific recommendations.

**APPLICATION INSTRUCTIONS**

Ipconazole/Thiram 10/350 FS protects against seedborne, propagule-borne and soilborne fungi that cause seed decay, damping-off and seedling blight for the following crops. In addition, protection against the specific or additional diseases is delivered, as indicated below.

Use the higher rate when the disease pressure is expected to be high, or when there is a history of disease in the field.

Crops	Application Rate (fl.oz./cwt.)*	Additional or specific diseases controlled or suppressed
Barley**	2.3-3.8	General seed rots (such as those caused by <i>Penicillium</i> and <i>Aspergillus</i> ) Seed rot, damping off and seedling blight caused by <i>Fusarium</i> and <i>Cochliobolus sativus</i> True Loose Smut Covered Smut False Loose Smut Early Season Root Rot ( <i>Rhizoctonia</i> ) Common Root Rot Crown and Foot Rot ( <i>Fusarium</i> ) Leaf Stripe
Wheat**	2.3-3.8	General seed rots (such as those caused by <i>Penicillium</i> and <i>Aspergillus</i> ) Seed rot, damping off and seedling blight caused by <i>Fusarium</i> and <i>Cochliobolus sativus</i> Loose Smut Common Bunt Early Season Root Rot ( <i>Rhizoctonia</i> ) Common Root rot Crown and Foot Rot ( <i>Fusarium</i> )
Buckwheat, Millet, Oats**, Rye, Triticale	2.3-3.8	Root Rot
Corn, field***	2.0-3.8	<i>Rhizoctonia</i> , <i>Fusarium</i> , <i>Rhizopus</i> , <i>Penicillium</i> , <i>Aspergillus</i>
Corn, sweet***	3.8	<i>Rhizoctonia</i> , <i>Fusarium</i> , <i>Rhizopus</i> , <i>Penicillium</i> , <i>Aspergillus</i>
Sorghum***	2.3-7.7	
Peanuts	3.8	
Soybeans	3.8	
Sunflower	2.3-3.8	
Canola, Mustard	2.3-8.8	Blackleg caused by <i>Phoma lingam</i>
Ornamental flowers	2.3-8.8	
Turf grass	2.3-3.8	

Crops	Application Rate (fl.oz./cwt.)*
Dried Shelled Peas and Beans: Dried cultivars of bean: - <i>Lupinus</i> spp. (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); - <i>Phaseolus</i> spp. (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean); bean - <i>Vigna</i> spp. (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); Dried cultivars of pea ( <i>Pisum</i> spp.) (includes field pea); Broad (fava) bean (dry); Chickpea (garbanzo bean); Guar; Lablab bean (hyacinth bean); Lentil; Pigeon pea	3.8

\*Rate per 100 pounds of seed.

\*\*Barley, wheat, and oats: Plant seed a minimum of 1 inch deep.

\*\*\*Includes forage and silage.

**TREATED SEED LABELING**

Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag:

"This bag contains seed treated with ipconazole and thiram. Do not use for food, feed or oil purposes. Persons opening this bag or loading/pouring the treated seed must wear a wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves."

"Plant barley, wheat and oat seed a minimum of one inch deep."

On peanut seed treated with this product, include the statement:

" Do not graze or feed livestock on peanut hay grown from treated seed."

"Restricted-Entry Interval (REI)"

"After seeds have been planted, do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 24 hours**. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with treated seed."

"Treated seeds are hazardous to fish, birds and mammals. Do not plant seeds by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. If seeds are not thoroughly incorporated by the planted during planting, additional incorporation may be required to thoroughly cover exposed seeds. 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 cleaning equipment or disposing of equipment washwater or rinsate or by disposal of wastes."

"Endangered Species"

"This bag contains seeds treated with thiram. 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 County Bulletin for the County or Parish in which you are applying the seed. To determine whether your County has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product."

## USE RESTRICTIONS

Plant barley, wheat and oat seed a minimum of one inch deep.

Peanuts: Do not graze or feed livestock on treated areas or on hay grown from treated seed.

Do not use treated seed for food, feed or oil purposes. Care must be exercised in the handling of treated seed. Augers used for handling treated seed should not be used to move seed for feed, food or oil processing. Do not re-use bags from treated seed to handle food or feed products.

### ALWAYS SHAKE OR STIR 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. Store in a secure place that is temperate, dry and out of direct sunlight. Avoid excess heat. Do not freeze. ALWAYS SHAKE OR STIR WELL BEFORE USE.

#### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Cover or incorporate spilled treated seeds.

**EQUIPMENT CLEANING:** Following applications, all seed treatment equipment should be thoroughly rinsed with water. Do not contaminate water by disposal of equipment washwater or rinsate.

#### CONTAINER DISPOSAL: Nonrefillable Container

**Plastic Containers:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### Refillable Container

Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**To clean the container before final disposal,** empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

#### Recycling

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or [www.acrecycle.org](http://www.acrecycle.org).

**IMPORTANT NOTICE** - Chemtura Corporation warrants that this product conforms to the chemical description and is reasonably fit for the purposes stated on the label only 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, expressed 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.

Treatment of highly mechanically damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond the control of Chemtura, Chemtura makes no claims or guarantees as to germination of carry-over seed.

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