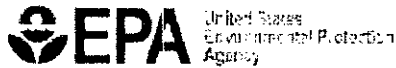


100-1233

11/29/2006

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



Office of Pesticide Programs

November 29, 2006

Ruhi Rezaaiyan, Ph.D.
Senior Regulatory Product Manager
Syngenta Crop Protection, Inc.
P. O. Box 18300
Greensboro, NC 27419-8300

Subject: Product Name: Propi-Shield
EPA Registration No. 100-1233
Applications Date: 18-Oct-2005
Receipt Date: 18-Oct-2006

Dear Dr. Rezaaiyan:

The following amendment, submitted in connection with registration under section 3(c) (7) (A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable:

Proposed amendment:

- Label amendment to include paint, wallboard gypsum core, rubber and plastic products, and ceiling tiles to label

Labeling comments:

Revise the precautionary statement regarding the wearing of gloves to read as follows:


"Wear chemical resistant gloves (such as barrier laminate or butyl nitrile/neoprene rubber, PVC, viton at ≥ 14 mils), and a chemical resistant apron when mixing/loading."

General comments:

A stamped copy of the accepted labeling is enclosed. Submit three (3) copy of your final printed label bearing the revision(s) as stated above before distributing or selling the product bearing the revised labeling.

Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c) (5) when the Agency requires all registrants of similar products to submit such data.

Should you have any questions or comments concerning this letter, you may contact me by telephone at 703.308.6422 or by email at heyward.adam@epa.gov or Lisa Mckelvin by telephone at (703) 308-7496 or by email at Mckelvin.lisa@epa.gov.

Sincerely,

Adam Heyward
Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclosure: Stamped labeling

PROPI-Shield

Preservative For Industrial and Commercial Use

Active Ingredient:	
Propiconazole (CAS No. 60207-90-1).....	41.8%
Other Ingredients*:	58.2%
Total:	100.0%

Contains 3.6 lbs. active ingredient/gallon

*Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

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.)

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No.: 100-1233

EPA Est. No.: XX

Net Contents: XX

ACCEPTED
with COMMENTS
EPA Letter Dated:
NOV 29 2006

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 100-1233

FIRST AID	
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 swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • 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.
NOTE TO PHYSICIAN	
Contains petroleum distillate – vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call 1-800-888-8372	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING/AVISO

Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear gloves when mixing and/or loading this product.

Environmental Hazards

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit.

Physical or Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

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 should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Syngenta Crop Protection, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Syngenta and Seller harmless for any claims relating to such factors.

Syngenta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Syngenta, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

IT IS SYNGENTA'S AND SELLERS INTENTION THAT in no event shall Syngenta or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA 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 SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Syngenta and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Syngenta.

DIRECTIONS FOR USE

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

SAPSTAIN AND MOLD CONTROL

PROPI-Shield is used to control sap stain and mold on freshly cut hardwood and softwood lumber poles, posts, timbers and other manufactured wood products. Examples of other wood products include:

Logs

Fungal staining can be inhibited in freshly debarked logs used for log home construction, export and yarding prior to sawing and other purposes.

Wood Finish

Engineered wood composites such as particle wafer board, oriented strand board and similar products can be protected from fungal discoloration during storage by treatment with PROPI-Shield.

Wood Chips/Saw Dust

Treatment of wood chips, saw dust or other products intended for papermaking (not for food grade/food contact or paper board) reduces fungal discoloration and lowers bleaching requirements for intended paper products.

Plywood Veneer

Treatment with PROPI-Shield is effective for freshly peeled green veneer and other similar plywood furnish that can be especially subject to stain and mold development that can interfere with appearance or laminating adhesive performance.

PROPI-Shield is applied to by dipping or spraying the wood until complete wetting is achieved. For bulk dip tanks PROPI-Shield is diluted by using 0.07 gallons (0.6 gallon PROPI-Shield in 800 gallons water) to 0.6 gallon PROPI-Shield in 100 gallons of water. Agitate vigorously until completely dispersed. For conventional spray systems a 0.15 to 1% PROPI-Shield spray solution is used. For example, in a 100-gallon day tank, 0.15 to 1 gallons of PROPI-Shield are added to the day tank and then enough water is added to bring the total volume up to 100 gallons of solution. In electrostatic spray applications PROPI-Shield dilution is not required, treatment strength is varied by number of application nozzles used and line speed. Rates, for all applications used will vary according to temperature, humidity, wood moisture, storage conditions, etc. Contact your local PROPI-Shield product representative for application advice.

Remove sawdust and other debris for treating solution on a regular basis to maintain correct concentration PROPI-Shield in the application solution. To prevent fungal attack below the surface of the wood, freshly sawn lumber should be treated within 24 hours. Treated lumber should be protected from rain and removed from direct soil/ground contact.

DECAY AND STAIN PROTECTION

Description

PROPI-Shield is a wood preservative concentrate, which requires dilution with water prior to use on wood products to protect against decay (brown and white rot) and staining fungi (blue stain).

Product Uses

For application to millwork, shingles and shakes, siding plywood and structural timber and composites that are used in above ground applications only. Do not use on wood, which will come in contact with food.

Wood Preparation

Machine, cut, glue and sand wood as desired before treating. Do not use over previously finished or stained wood without stripping off old finish. Wood must be clean and dry before treatment. Wood for pressure treatment should be kiln dried or air seasoned to a moisture content of about 25% or less, that will permit adequate penetration or preservative during treatment.

Treatment

Apply by immersion, roller coater, flood, spray, brush or pressure treatment process (double vacuum, full cell or modified full cell). For non-pressure application methods mix 1.1 to 2.2 gallons of PROPI-Shield with water to achieve 100 gallons of treating solution at the concentration of 0.25-0.5%, respectively. Wood products to be treated by the bundle-dripping process should be completely immersed for three (3) minutes. Individual wood pieces treated by immersion, roller-coated or flood shall be treated for not less than fifteen (15) seconds. Coverage for brush and spray applications is approximately 150 square feet per gallon of treating solution, but varies by the species and condition of the wood. Pressure treatment should be performed according to the method described in the American Wood Preserver's Association (AWPA) standards. A minimum propiconazole retention level of 0.025 pounds per cubic foot (pcf) is recommended. All treated wood must be held on the drip pad until drippage has stopped. Any surface, cut after first treatment should be retreated using 1% a.i. concentration solution.

Finishing

Before glazing, staining, painting, varnishing or application of water repellants treated wood should be completely dry and odor free. For non-pressure applications allow 4-8 hours drying time under average temperature and drying conditions. Treated wood can be heat dried for plant production. Pressure treated wood requires drying time to a moisture content suitable to the type of coating applied.

Clean-Up

Use water to remove wet PROPI-Shield wood preservative for all surfaces, brushes and rollers.

COOLING TOWER WOOD

Use PROPI-Shield to protect surface tower wood against internal or dry rot. Apply by spraying or painting, a solution containing 0.25% to 0.6% PROPI-Shield in water onto the clean wood surfaces. The amount applied should provide 0.13 to 0.25 pounds PROPI-Shield per 1000 sq. ft. of wood surface. Surface rot can also be inhibited by periodic shock dose of PROPI-Shield to the re-circulating cooling water at the tower basin or cold well. The dosage should provide 0.95 pounds of PROPI-Shield per 1000 gallons of water and the bleed off should be stopped for 4 to 6 hours after treatment. The shock treatment should be repeated every 4 hours.

PAINT - WATER AND OIL BASED

PROPI-Shield provides dry film protection of fungal molds and mildews in water and oil based paint films. Rates of PROPI-Shield in paints are dependent on the individual formulation and the expected severity of exposure conditions. The use rate will vary from 0.05 to 0.35% active ingredient by weight of paint. Testing should be done to confirm compatibility of PROPI-Shield with specific paint products.

IN-CAN PRESERVATION OF PAINT

PROPI-Shield may be used for in-can preservation of paint. A maximum of 0.125% active ingredient by weight of paint may be used. Testing should be done to confirm compatibility of PROPI-Shield with specific paint products.

PAPER, WALL BOARD (DRY WALL AND GYPSUM BOARD) AND PAPERBOARD PRODUCTS

PROPI-Shield will inhibit fungal mold and mildew growth, which causes discoloration, odor and degradation in paper, wallboard, and paperboard. Apply with thorough agitation.

PROPI-Shield can be added to the white water at rates of 0.1 to 2.5 pounds active ingredient per ton of dry fiber. Alternatively, application may be made at the size press or water box at a rate of 0.1 to 2.5 pounds active ingredient per ton of dry paper. Regardless of application method, the maximum rate of application shall not exceed 2.5

pounds active ingredient per ton of dry paper. PROPI-Shield may be applied to the gypsum core of wallboard to inhibit the growth of fungi. Apply 0.05 to 0.60 pounds of active ingredient per 1000 pounds of formulation, i.e., wet slurry. PROPI-Shield cannot be applied to paper or paper products that come into contact with food.

CEILING TILES

To inhibit the growth of fungi in ceiling tiles and in mineral-based building materials used in the manufacture of ceilings, add 0.5 to 4.25 pounds of active ingredient per 1000 pounds of formulation (i.e., wet slurry). PROPI-Shield can be added at any time during the formulation procedure.

RUBBER AND PLASTIC PRODUCTS

PROP-Shield will control mold and mildew on rubber and plastic products such as curtains, bath mats, and thermoplastic rubber. PROPI-Shield may be added at rates from 0.1 to 0.5% active ingredient by weight. The temperature stability of PROPI-Shield may be influenced by the choice of heat stabilizer and plasticizer in the formulation. Testing should be done to confirm compatibility of PROPI-Shield with specific rubber or plastic products.

COATING CAULKS, SEALANTS, ADHESIVES, BINDERS, AND INKS

The product cannot be used in food grade coatings, adhesives paper and paperboard, which will come into contact with food.

Sufficient mixing to ensure adequate dispersion of the biocide is required. PROPI-Shield should be used at levels between 0.11 and 2.7% based on the weight of the formulation to inhibit fungal disfigurement and deterioration. For solvent-based formulations PROPI-Shield can be dissolved into aromatic solvents or combinations of aromatic and aliphatic solvents and added in the let down or added directly to the finished product. For water thinned latex emulsions formulations PROPI-Shield can be premixed with the wetting agent and added to the pigment slurry or simply added to the let down or finished product.

METAL WORKING FLUIDS

Use PROPI-Shield to inhibit fungal degradation of water based and water emulsion cutting fluids and coolants used in metalworking operations. Add PROPI-Shield to the fluid concentrations or to the diluted metalworking fluid in an amount, which will provide 50 to 700 ppm active ingredient in the diluted fluid.

TEXTILES, FABRICS, CANVAS AND CORDAGE

For the control of odor and stain causing microorganisms in textiles of the following products: shower curtains, carpet backing, awnings, boat covers, canvas, cordage,

tents, tarpaulins, and wall coverings.

Addition of up to 2000 ppm of this active ingredient (4600 ppm of product) based on weight of goods can inhibit the growth of mold and mildew that causes stains, odors and product degradation in textiles, fabrics and fibers composed of acrylic, acrylonitrile butadiene, styrene, natural fibers (cotton, paper, wood, etc.), nitrile copolymers, nylon, polyester, polyethylene, polypropylene, rayon, rubber, (natural and synthetic), coatings/finishes composed of silicone, urethane or vinyl applied to such materials. These materials should be added at an appropriate manufacturing step to ensure adequate mixing and complete uniform coverage of the treated material. Product can be applied by dye incorporation, pad, exhaust, or spray application.

STORAGE AND DISPOSAL

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

Storage

Store in the original container in cool place.

Disposal

Wastes may be toxic. Improper disposal of excess product, 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 of 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 alternatives allowed by State and local authorities.

FOR BULK AND MINIBULK CONTAINERS:

Container Disposal

Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

Container Precautions

Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.

Refill Only with PROPI-Shield

The contents of this container cannot be completely removed by cleaning. Refilling with materials other than PROPI-Shield will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

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For non-emergency (e.g. current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Syngenta Crop Protection, Inc.
Greensboro North Carolina 27409
www.syngenta-us.com