



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

1022-580

JAN 13 2005

Term of Issuance: Conditional

Name of Pesticide Product:

Tuffgard 404

NOTICE OF PESTICIDE:

Registration

Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code)

IBC Manufacturing Company
416 East Brooks Road
Memphis, TN 38109

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 for Chlorothalonil RED, EPA has reregistered the above name product subject to the comments recorded in the succeeding paragraph. 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.

1. Make the following label changes:

a. Revise the EPA Registration Number to read "EPA Reg. No. 1022-580".

Signature of Approving Official:

Marshall Swindell, PM 33
Regulatory Management Branch 1
Antimicrobial Division (7510W)

Date:

JAN 13 2005

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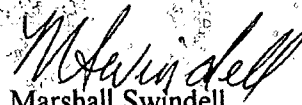
b. The label bears claims for specific organisms. Some of these organisms, under current procedures, are not allowed without supporting efficacy data. The two organisms "Aspergillus flavus" and "Aspergillus niger" must be deleted or submit supporting data.

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.

Submit two (2) copies of the final printed labels for our review. A stamped copy of the "accepted" label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell

Product Manager 33

Regulatory Management Branch 1

Antimicrobial Division (7510C)

Enclosure

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Tuffgard 404

Net Contents:

TUFFGARD™ 404

Fungicide for control of surface molds and fungi on wood

Contains 4.17 Pounds Chlorothalonil Per Gallon
(500 grams per liter)

Active Ingredient:	By Wt.
Chlorothalonil (tetrachloroisophthalonitrile)	40.4%
Inert Ingredients:	59.6%
Total:	100.0%

Keep Out of Reach of Children

WARNING

See side panel for additional precautionary statements.

ISK Biocides, Inc.
416 East Brooks Road
Memphis, TN 38109

EPA Reg. No. ~~3800~~ 1022-580
EPA Est. No. 1022-TN-1

ACCEPTED
with COMMENTS
in EPA Letter Dated:
JAN 13 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
1022-580

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Tuffgard 404

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if inhaled. Causes substantial but temporary eye injury. May cause skin irritation. May be a potential skin sensitizer.

Do not get in eyes. Wear goggles or face shield when handling this product.

Avoid prolonged contact with skin. Wear chemical resistant gloves when handling freshly treated lumber. Thoroughly wash exposed areas of skin with soap and warm water. Remove and launder contaminated work clothing before reworking.

Do not breathe Tuffgard 404 as spray mist. Avoid breathing sawdust from treated wood. Wear a mask or pesticide respirator jointly approved by MSHA and NIOSH.

Do not take internally. Ingestion of treated wood may be harmful to animals.

Note to User: This product may produce mild bronchial irritation and temporary irritation of the skin characterized by redness or rash on exposed skin areas. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Affected persons should consult a physician.

Mixers, loaders, applicators and all other handlers must wear:

- long sleeve shirt and long pants, and
- shoes plus socks

In addition, chemical resistant gloves must be worn by: (1) mixers/loaders, (2) other handlers exposed to the concentrate, (3) cleaners / repairers of equipment, and (4) applicators using hand-held equipment.

In addition, a dust / mist filtering respirator must be worn by applicators and other handlers in enclosed areas.

Follow manufacturer's instructions for cleaning / maintaining Personal Protective Equipment (PPE). If no such instructions or washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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Under the Federal Insecticide,
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User Safety Recommendations:

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should 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.

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

FIRST AID:

In case of contact with eyes, immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

Wash exposed areas of skin with soap and warm water after handling or using.

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Note to physician: Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

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ENVIRONMENTAL HAZARDS

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

This product is toxic to fish, aquatic invertebrates, marine/estuarine organisms and wildlife. 1020-580

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 may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile draining systems that drain to surface water.

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements an



Tuffgard 404

NPDES permit: Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

DIRECTIONS FOR USE

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

Note to User: Wear goggles or face shield when handling this product. Wear long sleeved shirt, long pants and chemical resistant gloves while mixing, handling and using this product and when handling freshly treated lumber. Pesticide contaminated clothing should be removed and washed thoroughly before reusing.

GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply this product in a way that will contact workers or other persons, or pets, either directly or through drift. Only protected handlers may be in the area during application.

Do not allow others to enter the treatment area until sprays have settled.

Tuffgard 404 is an excellent protective fungicide against a broad spectrum of fungi, including those which cause defacement of freshly-cut lumber. When applied to freshly sawn lumber, Tuffgard 404 is effective as a protective fungicide against the following organisms: Trichoderma viride, Trichoderma harzianum, Penicillium expansum, Penicillium decumbens, ~~Aureobasidium pullulans~~, Auriobasidium pullulans, Ceratocystis pilifera, Diplodia gossypina, and Gliocladium deliquescens. It is recommended that Tuffgard 404 be used with treatment programs involving other products which control sapstain organisms in order to provide the greatest protection against mold (mildew) and sapstaining organisms.

ACCEPTED with COMMENTS
EPA Letter Dated:

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Freshly cut wood should be treated within 24 hours. Otherwise, fungal attack may extend below the surface of the wood, beyond the reach of a surface treatment. Effective control of mold requires complete coverage of the wood surface by the fungicide as a preventative application prior to development of the mold organisms. Wood which has been colonized by mold or sapstain fungi prior to treatment will not be protected.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1022-586

Freshly treated lumber should be protected from rain which will reduce the effectiveness of treatment materials.

Extremely hot and humid conditions favor the development of molds and sapstain fungi. Under these conditions, use the higher recommended rate.

Wood products for use in making particle boards may be protected from molds and sapstain by the same treating process used for freshly cut lumber and timbers.

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Tuffgard 404

Remove sawdust and other debris from application apparatus daily and rinse the sawdust and debris allowing the rinsate to return to the application apparatus.

Note: Invert or roll container several times to assure uniform mixture.

Add the required amount of Tuffgard 404 slowly to the mixing tank while filling. Agitate the mixture during treatment.

BULK DIP VATS – For bundles of lumber which are to be treated in a dip tank or vat, add 1 to 2 gallons of Tuffgard 404 to 200 gallons of water. The dip vat solution must be agitated to prevent settling of the treatment materials in the tank. The cut boards should be separated (or stickered) to allow maximum penetration of the treatment material into the bundle. Under average conditions, this treatment provides optimal control of mold-causing organisms when applied to freshly sawn wood, provided drying, storage and shipment are carried out in accordance with optimum industry standards.

NON-BULK VATS - For individual boards which are treated in across-the-chain vats (non-bulk vats), add 1 to 2 gallons of Tuffgard 404 to 200 gallons of water. Agitation is required in the vat to maintain adequate distribution of the treatment material.

LOW VOLUME SPRAY MACHINES – For individual boards which are treated in low volume spray machines, add 1/2 to 1 gallon of Tuffgard 404 to 20 gallons of water. Smooth surfaced lumber normally retains only about one-half as much fungicide solution as rough cut wood and, therefore, needs the higher rate to deposit the necessary amount of fungicide on the wood.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Storage: This product must be stored in a cool place. Protect from excessive heat.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray 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 at the nearest EPA Regional Office for guidance.

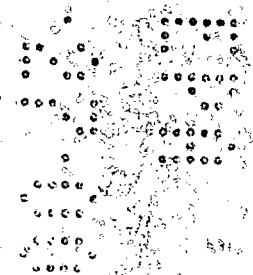
Container Disposal: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Tuffgard 404

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use and Buyers and users of this product assume the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, moisture conditions or other environmental conditions outside the ranges that are generally recognized as being conducive to good industrial and/or application practices.

Prepared and submitted in response to the CTL RED / DCI January 2000.

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