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

NOTICE OF PESTICIDE:
x Registration
____ Reregistration

(under FIFRA, as amended)

EPA Reg. Number: 72439-2

Date of Issuance: AUG 10 1999

Term of Issuance: Until Reregistration

Name of Pesticide Product: IPEX 100

Name and Address of Registrant (include ZIP Code):

Marvac, L.L.C.
1523 N. Post Oak Road
Houston, TX 77055

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/reregisteration 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 or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

Signature of Approving Official:
Adam Heyward, Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510W)

Date: August 10, 1999

EPA Form 8570-6

a. Add the phrase, "EPA Registration No. 72439-2".

b. Revise the precautionary statement to read:

DANGER: Corrosive. Causes skin burns and irreversible eye damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, rubber gloves [or specify appropriate type of chemical resistant gloves.] Wash thoroughly with soap and water after handling. Remove contaminated clothing before reuse. Harmful if swallowed, inhaled, or adsorbed through skin. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

c. Add the following statement to the use directions:

"This formulation is not cleared by Federal Food, Drug and Cosmetic Act for use in manufactured food grade adhesive, paper and paper board products and paper coating."

d. Based on the Confidential Statement of Formula dated 11/5/98 revised the label ingredient statement to read:

3-Iodo-2-propynyl butylcarbamate.....98.0%

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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.

Sincerely,

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

Enclosure

3247

IPEX 1000

Industrial Fungicide

Active Ingredient:	
3-Iodo-2-propynyl butylcarbamate	97%
Inert Ingredients	3%
Total	100%

KEEP OUT OF REACH OF CHILDREN

DANGER!

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin. Avoid breathing dust and contact with skin, eyes and clothing. Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Wear goggles or race shield, protective clothing and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID (Practical Treatment):

If Swallowed: Drink large quantities of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician immediately.

If on Skin: Wash with plenty of soap and water. If irritation develops get medical attention.

If in Eyes: Hold eyelids open and flush with a steady, gently stream of water for at least 15 minutes. Get immediate medical attention.

If Inhaled: Remove person to fresh air. If not breathing, give artificial respiration, preferably, mouth-to-mouth. Get immediate medical attention.

Note to Physician: Exposure to high concentrations via inhalation may result in the inhibition of acetylcholinasterase and produce related symptoms. Probable mucosal damage may contraindicate the use of gastric lavage.

Net Wt. _____

EPA Reg. No.

EPA Est. No.

Manufactured by:
Marvac, LLC
Houston, Texas 77055

ACCEPTED
with COMMENTS
In EPA Letter Dated:
AUG 10 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 72439-2

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes. ponds, streams, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE & DISPOSAL

Pesticide Disposal
Keep container tightly closed when not in use. Do not reuse container. Do not store with strong oxidizing agents or strong (concentrated) acids. Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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 at the nearest EPA Regional Office for guidance.

Container Disposal
Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

DIRECTIONS FOR USE

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

DRY FILM PAINT PRESERVATIVE

IPEX 1000 inhibits the growth of mildew in solvent-based paints and waterborne paints, stains and latex emulsions. For best results, it should be solubilized in a suitable solvent prior to adding to the paint. Addition should be at the end of the manufacturing process and allowed to mix long enough to be adequately dispersed. Typical levels for protection against mildew on painted surfaces are 0.1 - 0.5 % by weight on wet paint. For example, a house paint with a wet density of 10 lbs./gallon would use 1 - 5 lbs. of this product per 100 gallons of wet paint. Where the climate is severe and mildew growth is a major problem for painted surfaces, more would be required, as much as 0.8 % by weight on wet paint.

AQUEOUS METALWORKING, CUTTING, COOLING & LUBRICATING CONCENTRATES

To inhibit the growth of fungi in aqueous metalworking, cutting, cooling and lubricating concentrates, add an amount of this product that will give up to 1000 ppm in the diluted fluid. The amount required in the concentrate will depend on the end use dilution. For example: If the desired level of this product in the diluted fluid is 100 ppm, and the end use dilution of the fluid is 5%, then a 0.2% concentration of this product is required in the concentrate (100 ppm/0.05 = 2,000 ppm or 0.2%).

AQUEOUS METALWORKING, CUTTING, COOLING & LUBRICATING FLUIDS

To inhibit the growth of fungi in aqueous metalworking, cutting, cooling and lubrications fluids, add up to 1000 parts per million (0.1% w/w) of this product to the diluted fluid (1.0 lbs. per 1000 lbs. of solution or approximately 0.8 lbs. per 100 gallons of solution or 1.0 kg per 1000 kg). This product may be added to the fluid at the time it is prepared (diluted) or to the reservoir (sump) containing the fluid after it is put into use. If it is added to the reservoir, the fluid should be circulated after addition to ensure mixing.

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FUNGICIDE IN NON-MEDICAL, NON-FOOD CONTACT AQUEOUS, SOLVENT AND NON-SOLVENT BASED SYSTEMS SUCH AS NATURAL AND SYNTHETIC ADHESIVES, CAULKS, PATCHING COMPOUNDS, SEALANTS, GROUTS, LATEXES SUCH AS SBR/LATEX USED IN THE MANUFACTURE OF FLOORING ADHESIVES OR CARPET BACKINGS.

IPEX 1000 can be used as an additive to non-medical, non-food use natural and synthetic adhesives, caulks, patching compounds. sealants, grouts, latexes such as SBR/latex flooring adhesives or carpet backings to prevent the growth of fungi, molds and mildews in the material both in the wet state and in the dry film of the finished product. Recommended use levels are between 0.02 - 0.25% wet formulation weight. IPEX 1000 should be added toward the end of the production cycle with good agitation to ensure a uniform distribution is achieved.

For example to inhibit the growth of mildew on a latex-based wall cover adhesive intended for a non-food area, add 0.2% (2 lbs. IPEX 1000 per1000 lbs. of latex-based adhesive formulation) of this product to the latex-based formulation.

PLASTICS AND PLASTIC COATINGS

IPEX 1000 may be used in to prevent surface mildew growth on plastic items such as shower curtains, cable and wire insulation, sun umbrellas, polymer furniture, filter medias, polymer components of carpet, etc. Intended plastics include polymers such as PVC, polyurethanes, elastomers and robbers, neoprene, styrene compounds, polyolefins etc. Use levels of 0.05 - 1.0% by weight of the plastic are generally adequate. This product should be dispersed in the plasticizer or color concentrate before it is incorporated into the resin to ensure a uniform distribution. Use of this product is not recommended if the heat of processing is above 350° F for prolonged periods, nor should it be used in a plastic that will be in contact with food or medical device applications.

For example to inhibit the growth of mildew on a plastic such as polyurethane boat seat cushions intended for a non-food area add 0.5% (5 lbs. IPEX 1000 per 1000 lbs. of polyurethane formulation) of this product to the polyurethane formulation.

TEXTILES

IPEX 1000 may be used as mildewcide applied in both aqueous and solvent-based coatings or dyes which are typical to the textile material processing. Typical end use applications of these materials can be: carpet fibers and backings, canvas and cordage, drapes, shower curtains, etc. **Not to be used in fabrics for human wear or direct skin contact.** Product should be solubilized or stirred in the dye bath or polymer coating pan to minimize mechanical losses and ensure a uniform distribution of the product. Use levels in the range of 0.02-1% by weight of the total processing formulation are typically adequate to prevent fungal growth.

For example to inhibit the growth of mildew on cotton canvas intended for a non-food area add 0.5% (5 lbs. IPBC 1000 per 1000 lbs. of dye bath) of this product to the dye bath formulation.

PAPER COATINGS

IPEX 1000 may be used as mildewcide in both aqueous and solvent-based coatings which are applied to paper and cardboard substrates. This product can be used to prevent mold and mildew from growing on products such as: corrugated cardboard or soap wrappers, wallcovers, and non-food contact packaging materials, and non food contact paper tapes. Use levels of this product range from 0.02- 0.75% of this product by weight. This product should be added at the end of the production cycle and with good agitation to prevent possible mechanical losses and ensure uniform distribution.

For example to inhibit the growth of mildew on corrugated cardboard Intended for a non-food packaging add 0.5% (5 lbs. IPBC 1000 per 1000 lbs. of coating material) of this product to the coating material formulation.

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CANVAS AND CORDAGE

IPEX 1000 may be used as a mildewcide in both aqueous and solvent based process formulations which coat canvas and cordage. Typical use levels of this product will range from 0.02-1% of the process formulations used in the process of these canvases and cordage. This product should be added at the end of the production cycle to the process formulation with good agitation to prevent possible mechanical losses and ensure a uniform distribution.

For example to inhibit the growth of mildew on cotton canvas intended for a non-food area add 0.5% (5 lbs. IPBC 1000 per 1000 lbs. of process formulation) of this product to the process formulation.

INKS

IPEX 1000 may be used in aqueous-based ink solutions for protection of these solutions against attack of fungal organisms. It is recommended that this product be added at the end of the product cycle with good agitation. This product will generally impart protection when used at levels of 0.05 - 3% based on the formula weight.

WOOD PRESERVATION

IPEX 1000 is a white powder, non-metallic compound designed for use as a wood preservative for use in above ground applications. All recommendations of use levels are in percentage by weight, and refer to this product. Dosage ranges are given for the various applications to indicate the approximate levels for a particular application. Exact levels of use should be determined by field trials.

WOOD

For best results this product should be solubilized in a suitable solvent or made into an aqueous dispersions and then applied to new lumber, plywood, particle board, millwork, etc., to prevent the growth of mildew, sapstain and wood rot on these substrates. This product is recommended for use on wood in above ground use only.

Treating solutions may be prepared by dissolving this product in alcohols or aromatic solvents or by dispersion in water. Levels of 0.10% - 1.5% of this product are suggested depending upon the severity of conditions for end use, and the extent of time that protection is required. For freshly sawn lumber, a concentration of 0.20% of this product is suggested as a starting level. A one minute dip at ambient temperatures in a solution or aqueous dispersion containing 0.20% of this product should be adequate to control the development of mildew and sapstain organisms on the lumber.

Because of the great variation in susceptibility of fresh sawn lumber relating to time type of wood, sawing and storage techniques, conditions of humidity, method of treatment, etc., it is usually necessary to carry out field tests to determine the most appropriate means of application and the optimum concentration of this product to be used.

For best results, lumber should be treated within twenty-four hours after it is sawed.

The lumber should be completely immersed in the treating bath, and the treating vat designed to permit easy immersion and removal and to minimize spillage.

The vat may be cleaned by emptying and rinsing with a suitable solvent or by use of a detergent solution. To add additional product while treating, first prepare the proper solution or emulsion in a separate container (of wood, plastic, or stainless steel construction) and add to time treating vessel.

After treatment, lumber should be stacked in a properly maintained seasoning yard with good drainage so no water will accumulate in any area. The yard should be kept free from weeds and vegetation which may hold moisture and promote growth of decay and stain producing fungi. All debris and lumber scraps should be removed from the area.

A properly laid out yard should take advantage of prevailing winds to permit good air circulation. Main alleys should beat least 16 feet wide. Stack foundations should be sufficiently elevated to permit ready access of air to the pile, and allow water to drain off quickly.

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This product is also recommended for use on millwork, including door and window frames, exterior siding, composite board, plywood and other construction lumber when it is important to prevent the growth of mildew, sapstain and wood rot organisms on these materials.

Wood treated with this product does not change in appearance and may be painted when dry.

For applications of this type, this product once in solution may be applied by dipping, brushing or spraying. Levels of 0.15% may be used for mildew control.

To control rot and decay, do not use less than 0.2% as a concentration. Use this product in solution in a suitable solvent. Concentrations up to 1.0% are recommended depending upon the condition of the wood, the nature of the intended exposure and the length of protection desired.

When brushing, a single coat will usually suffice if the solution is applied liberally. This also pertains to spraying, Use of this product is not recommended for wood surfaces which may come in contact with food. Surfaces which may be In continuous contact with skin should be coated with a varnish, or lacquer alter treatment with this product. This product may also be used as an additive to stains to be applied to such materials as exterior siding, decks, lawn furniture, etc., in order to prevent the growth of fungal organisms. It is recommended that levels between .2% - 1% of this product by weight of the final formulation be added to these materials.

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