

PM 21

39967-13

1/4/95

PA 125



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

EPA Reg. Number:  
39967-13

Date of Issuance:  
JAN 04 1995

NOTICE OF PESTICIDE:  
  X   Registration  
       Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Preventol A8  
Preservative

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Miles Inc.  
Mobay Road  
Pittsburgh, PA 15205-9741

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 and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling change before you release the product for shipment: a) Under "Plastics Preservation" correct the spelling of (mildewcide), and b) Add the phrase "EPA Registration No. 39967-13".
3. Submit five copies of the final printed label for the record.

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.

Signature of Approving Official:

Date:

1/4/95

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**ACCEPTED**  
JAN 04 1995  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 39967-13

U.S. LABEL

Reason for Issue: To propose new product registration

Date of Draft: November 28, 1994      EPA File Symbol No: 39967-R8 13

**TO BE PRINTED AS A SINGLE PANEL.**

**PREVENTOL A8 Preservative**

**FUNGICIDE**

FOR THE PRESERVATION OF WOOD-BASED COMPOSITE PRODUCTS AND PLASTICS AGAINST BIODETERIORATION.

**ACTIVE INGREDIENT:**

- TEBUCONAZOLE,
- $\alpha$ -[2-(4-Chlorophenyl)ethyl]
- $\alpha$ -(1,1-dimethylethyl)
- [1,2,4-triazole-1-ethanol] ..... 93%

**INERT INGREDIENTS** ..... 7%  
100%

EPA REG. NO.: 39967-

EPA ESTABLISHMENT NUMBER 3125-MO-1

NET CONTENTS:

**KEEP OUT OF THE REACH OF CHILDREN  
WARNING!**

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

May be fatal if inhaled. Harmful if swallowed. Causes eye irritation. Do not breathe dust

INFORMATION ABOUT SAFETY AND HANDLING AND ON ECOLOGICAL AND TOXICOLOGICAL BEHAVIOR IS GIVEN IN OUR MATERIAL SAFETY DATA SHEET AND IN OUR SUMMARY OF TOXICITY AND ECOTOXICITY.

**DIRECTIONS FOR USE**

**Wood-based Composite Products**

**GENERAL:** Preventol A8 Preservative is recommended to preserve wood-based composite products, such as waferboard, fiberboard, particleboard, plywood and oriented-strand board to prevent the growth of mildew, blue stain and wood destroying fungi on the composite product. These composites are used in the following applications: millwork, including door and window frames; exterior siding; construction lumber; and exterior wood. Composite wood treated with Preventol A8 Preservative does not change in appearance and may be painted when dry.

Preventol A8 Preservative may be applied into a wood composite through a number of methods, including:

- a) Metering Preventol A8 Preservative onto the dried wood flakes, fibers, etc. immediately before the blender. The Preventol A8 Preservative is then mixed with flakes in the blender.
- b) Mixing Preventol A8 Preservative with the wood flakes in the blender.
- c) Mixing Preventol A8 Preservative with the adhesive or wax which is subsequently applied to the flakes in the blender.

The method of incorporation of Preventol A8 Preservative will depend on the specific manufacturing process and wood species used for the composite.

The suggested use level is 0.1 to 0.3 lbs. Preventol A8 Preservative per cubic foot of wood, or 0.25 to 0.75% Preventol A8 Preservative, based on dry board weight.

ALL OF THE ABOVE USES ARE NON-SOIL CONTACT NON-FUMIGATION TREATMENTS

**Plastics Preservation**

**GENERAL:** Preventol A8 Preservative is recommended for use as a fungicide (mildewcide) in PVC, polyurethane, and other polymers used for the production of shower curtains, tarpaulins, sun umbrellas and other plastics products.

Preventol A8 Preservative should be used at an application rate of 0.3 - 1.2% of Preventol A8 Preservative based on the weight of the finished formulation. To insure uniform distribution in the end product it is recommended that Preventol A8 preservative be pre-blended with plasticizer or other liquid ingredient of the finished formulation before the final production step. The treatment is recommended up to a temperature of 350°F and is limited only by decomposition of the substance.

Other use recommendations include the following: the maximum level of protection is achieved if Preventol A8 Preservative is combined with a second fungicide, e.g. N-octyl isothiazolinone. Recommended concentrations for a combination of Preventol A8 and this active substance are in the ratio 2:1 - 4:1 (in plastics this calculates as 0.3 - 0.8% active ingredient).

**Coatings and Paint Systems**

**GENERAL:** Preventol A8 is effective against a wide variety of mold fungi for the preservation of coating films. The exact concentration of Preventol A8 Preservative will vary with the composition of the coating to be protected and with the risk of infestation. To reach optimum effectiveness, preliminary testing with the ranges provided below is recommended to determine the most appropriate amount of Preventol A8 Preservative to be used.

Preventol A8 Preservative can be ground together with the pigments, or can be pre-dissolved in a suitable solvent and added at the end of the manufacturing cycle. In both cases, Preventol A8 Preservative should be distributed homogeneously in the coatings to be protected.

Recommended concentration of Preventol A8 Preservative in emulsion paints for exterior use:

- 1.0 - 2.0% (calculated on total solid content)

To achieve the maximum level of protection, Preventol A8 can be combined with one of other fungicides which are efficacious against blue stain fungi, for example, 3-iodo-2-propinylbutyl carbamate [IPBC], or N-octylisothiazolinone.

Recommended concentration for a combination of Preventol A8 Preservative and , 3-iodo-2-propinylbutyl carbamate [IPBC] (2:1) in emulsion paints for exterior use:

- 0.3 - 0.8% of the combination (calculated on total solid content)

Recommended concentration for a combination of Preventol A8 Preservative and N-octylisothiazolinone (2:1) in emulsion paints for exterior use:

- 0.3 - 0.8% of the combination (calculated on total solid content)

### Glues and Adhesives

**GENERAL:** Preventol A8 Preservative can be used as an additive to glues and adhesive formulations to prevent infestation by fungal organisms. With the use of Preventol A8 Preservative, it is possible to protect both the wet stage and the dry film of such products against fungal attack. A long-lasting effect is secured, as Preventol A8 Preservative is non-volatile and insoluble in water.

Recommended levels are 0.75 - 2.0% active ingredient based on the total weight of product to be protected. The powdered preservative should be mixed thoroughly with the glue powder. Additions depend on the composition of the glue, the conditions in which it is to be used, and the degree of protection required. Preventol A8 Preservative can also be added to liquid formulations, however, good stirring is required to achieve even distribution throughout the adhesive formulation. Also, Preventol A8 Preservative may be dissolved in suitable solvents prior to addition to the adhesive formulation. To reach optimum effectiveness, preliminary testing with the ranges provided is recommended to determine the most appropriate amount of Preventol A8 Preservative to be used.

Enhanced protection is achieved if Preventol A8 Preservative is combined with a second fungicide, e.g. 3-iodo-2-propinylbutyl carbamate [IPBC], or N-octyl isothiazolinone.

Recommended concentration for a combination of Preventol A8 Preservative and , 3-iodo-2-propinylbutyl carbamate [IPBC] (2:1) in glues and adhesives for fungicidal protection:

- 0.3 - 0.8% of the combination (calculated on total formula weight)

Recommended concentration for a combination of Preventol A8 Preservative and N-octylisothiazolinone (2:1) in glues and adhesives for fungicidal protection:

- 0.3 - 0.8% of the combination (calculated on total formula weight)

### Metalworking/Cutting Fluids

Preventol A8 Preservative may be used in aqueous-based metalworking, cutting cooling and lubricating fluids to prevent fungal growth. It can be incorporated into the original concentrate of metalworking fluids by adding the preservative under stirring until the preservative is completely dissolved. Depending on the metalworking fluid type, it may be advantageous to pre-dissolve Preventol A8 Preservative in a suitable solvent. Lab trials to check the compatibility of the fluid to be preserved with the preservative are strongly recommended. Preventol A8 Preservative should be added to the metalworking fluid concentrate in amounts sufficient to yield the desired concentration of active ingredient in the diluted composition. If Preventol A8 Preservative is to be added directly to the diluted metalworking fluid, it should first be dissolved in a suitable solvent. For a homogeneous mixture of substrate and preservative, add the preservative at a point in the system where good circulation is assured. Preventol A8 Preservative prevents growth of mold-fungi. If supplementary protection against bacterial growth is required, Bayer Corporation recommends combination with a suitable bactericide.

Recommended Concentrations:

**Metalworking fluids - Mineral Oil Based**

Metalworking fluids (concentrates): 2.0 - 4.0%  
Metalworking fluids (ready to use): 0.1 - .02%

**Metalworking fluids - Non-Mineral Oil Based**

Metalworking fluids (concentrates): 2.0 - 4.0%  
Metalworking fluids (ready to use): 0.1 - 0.2%

Bayer Corporation  
Organic Chemicals Department  
Fibers, Organics and Rubber Division  
100 Bayer Road  
Pittsburgh, PA 15205-9741

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