



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

39967-157

5/3/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Preventol A 8 II Preservative

Name and Address of Registrant (include ZIP Code):

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Jacqueline Hardy, Product Manager, 34
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:

5/3/19

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Tebuconazole GDCI-128997-1598

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 39967-157.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 07/17/2018

If you have any questions, please contact Stacey Grigsby by phone at 703.305.6440, or via email at grigsby.stacey@epa.gov.

Enclosure: Accepted Stamped Label and 12/10/18 Product Chemistry Review

Preventol® A8 II PRESERVATIVE

FUNGICIDE FOR THE PRESERVATION OF PRODUCTS IN AQUEOUS AND SOLVENT SYSTEMS TO PROTECT WOOD COMPOSITE PRODUCTS, WOOD PRODUCTS INTENDED FOR ABOVE GROUND AND IN-GROUND CONTACT, PLASTICS, GLUES AND ADHESIVES, AND METALWORKING/CUTTING FLUIDS AGAINST BIODETERIORATION.

ACTIVE INGREDIENT: Tebuconazole, α -[2-(4-Chlorophenyl)-ethyl- α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol -----98.00%
INERT INGREDIENTS -----2.00%
TOTAL -----100.0%

KEEP OUT OF REACH OF CHILDREN WARNING

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if inhaled. Harmful if swallowed. Causes moderate eye irritation. Do not breathe dust and avoid contact with eyes or clothing. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

NOTE TO USER: For worker protection during mixing, loading and during application, wear a hat, long sleeved shirt, and long legged trousers or overalls. In addition, during mixing and loading, wear rubber or neoprene gloves. Protective clothing should be laundered separately following application.

FIRST AID

IF INHALED: 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.

IF IN EYES: Hold eyes 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. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: No specific antidote is available. Treat symptomatically.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to estuarine invertebrates. 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 and the permitting authority has been notified in writing prior to the discharge. 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 EPA.

® Preventol is a registered trademark of LANXESS Corporation
Produced for LANXESS Corporation

The LANXESS Pittsburgh Emergency Response Telephone Number is 800-410-3063

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300

INTERNATIONAL: 703-527-3887

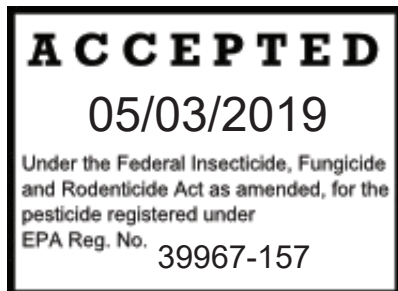
EPA Reg. No.: 39967-RLT

EPA Est. No.:

Net Contents:

Lot No.

LABEL TEXT DATE: 5/1/19



DIRECTIONS FOR USE

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

FOR DETAILED DIRECTION FOR USE, PLEASE REFER TO LANXESS CORPORATION TECHNICAL INFORMATION SHEET. Read entire direction before using Preventol A8 PRESERVATIVE.

Formulators are responsible for obtaining their own EPA Registration No. and developing the data required to support their registrations. Preventol A8 PRESERVATIVE is intended for the formulation of antimicrobial product for use as a wood preservative and materials preservative which include:

Wood Preservative:

Millwork: Window frames, wood doors, and doorframes

Wood Stains: Wood siding, lumber, plywood, particleboard, wood decks, and wood furniture, (outdoor).

In-Ground Contact Uses: Wood products for in-ground uses (pilings, telephone poles, wood building materials)

Sapstain Control: Fresh-cut lumber

Wood preservatives containing this product are not for use on wood that will be used to construct bee hives.

Materials Preservative:

Plastics, glues and adhesives, metalworking fluids.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

RESTRICTIONS: Do not package Preventol A8 II Preservative in metal containers.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide 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 HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke. If outer box is contaminated and cannot be reused, dispose of it in a manner required for the inner bag. Do not use container in connection with food, feed, or drinking water.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material is spilled for any reason or cause, carefully sweep the material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the LANXESS Pittsburgh Emergency Response Team for decontamination procedures or for any other assistance that may be necessary. The LANXESS Pittsburgh Emergency Response Telephone Number is 800-410-3063, or contact CHEMTREC at 800-424-9300.

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275

LANXESS

Energizing Chemistry

Preventol A8 II Preservative

EPA Registration Number 39967-RLT
CAS Number [107534-96-3]

FOR THE PRESERVATION OF PRODUCTS IN AQUEOUS AND SOLVENT SYSTEMS TO PROTECT WOOD COMPOSITE PRODUCTS, WOOD PRODUCTS INTENDED FOR ABOVE GROUND AND IN-GROUND CONTACT, PLASTICS, GLUES AND ADHESIVES, AND METALWORKING/CUTTING FLUIDS AGAINST BIODETERIORATION

DIRECTIONS FOR USE

IMPORTANT: It is a violation of federal law to use this product in a manner inconsistent with its labeling. Labeling directions, precautionary statements and restrictions for all other products shown in this bulletin must be followed.

Wood-based Composite Products

GENERAL: Preventol A8 II Preservative may be used 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 II Preservative does not change in appearance and may be painted when dry.

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

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

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

The suggested use level is 0.01 to 0.03 lbs. Preventol A8 II Preservative per cubic foot of wood, or 0.024 to 0.073% Preventol A8 II Preservative, based on dry board weight.

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

Wood Products Intended for Above Ground and In-Ground Contact

GENERAL: Preventol A8 II Preservative may be used for the preservation of wood intended for above-ground and/or in-ground contact, such as Ponderosa pine, Scots pine, Southern yellow pine, beech, oak, birch, and other wood species susceptible to decay by rotting fungi. Such uses include railway sleepers, fence posts, poles, horticultural posts, etc. Wood preserved with Preventol A8 II Preservative alone does not change in appearance and may be painted when dry.

Preventol A8 II Preservative may be applied to wood by dissolving in a suitable solvent and adding auxiliaries such as: water and/or organic solvents, emulsifiers, fixating agents, paraffin wax or resins, additional active ingredients (to protect against fungi and/or insects, including termites), dyestuffs, pigments, penetration improvers and other auxiliaries.

The method of incorporation of Preventol A8 II Preservative will depend on the specific treating process and wood species to be treated and intended use of the treated wood.

Preventol A8 II Preservative may be applied by dip, double vacuum or pressure treatment methods. Solution uptake and treatment conditions for each method should result in a 0.003 to 0.05 pcf (lbs/ft³) retention of active ingredient in the treated article. Wood for in-ground contact generally needs the highest treatment retention.

Dip: For dip treatment, wood must be used only for above-ground uses that are continually protected from direct exposure to weather. Immerse wood completely until enough solution has been absorbed to meet the retention requirements given above. Use dip treatment procedures consistent with the equipment being used and standard treatment practices. A dipping solution concentration 0.01 - 0.02 lbs. of Preventol A8 II Preservative per cubic foot of wood is needed.

Double Vacuum: For double vacuum treatment, stack the wood in the treatment vessel so that it will remain submerged. A treating solution concentration 0.01 - 0.02 lbs. of Preventol A8 II Preservative per cubic foot of wood is needed (as it depends on uptake during the process and depends on whether used alone or with co-bioicide). Pull vacuum of -10 inches for five minutes. Fill the vessel, allow the pressure to return to atmospheric and discharge preservative solution. Pull a vacuum of -20 inches and maintain for twenty minutes. Return to atmospheric pressure and drain preservative.

Pressure Treatment: For pressure treatment follow the general requirements of the American Wood Protection Association Standard T1-17 Processing and Treatment Standard.

The use level is 0.003 - 0.02 lbs. Preventol A8 II Preservative per cubic foot of wood. Low dosage when Preventol A8 II Preservative is used in combination with copper biocide or as a co-fungicide and high dosage when Preventol A8 II Preservative is used as a stand-alone fungicide or as a major co-fungicide.

ALL OF THE ABOVE USES ARE NON-FUMIGATION TREATMENTS

Plastics Preservation

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

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

Paper Coatings for Indoor, Non-food Contact Uses

Preventol A8 II Preservative is effective against a wide variety of mold fungi for the preservation of coating films. The exact concentration of Preventol A8 II 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 to determine the most appropriate amount of Preventol A8 II Preservative to be used.

Concentration of Preventol A8 II Preservative in coatings for paper and paperboard (paper coatings for indoor, non-food contact uses):

- 0.1 – 2.0% (calculated on coating applied to paper/paperboard)

Glues and Adhesives

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

Uses include, but are not limited to the following:

- casein containing adhesives, such as that used for labeling and books;
- starch-based glues typically used in wallpaper;
- dextrin adhesives;
- synthetic polymer-based adhesives, such as acrylic, styrene butadiene, and polyvinyl alcohol ; and
- animal glues, such as bone, skin and gelatin-based glues

Dosage levels are 0.73 - 1.95% 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 II Preservative can also be added to liquid formulations, however, good stirring is required to achieve even distribution throughout the adhesive formulation. Also, Preventol A8 II 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 required to determine the most appropriate amount of Preventol A8 II Preservative to be used.

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

Use concentration for a combination of Preventol A8 II 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)

Use concentration for a combination of Preventol A8 II 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)

Note: Adhesives formulated for food packaging applications may require approval by the Food and Drug Administration.

Sealants

Preventol A8 can be incorporated into the sealant formulation to inhibit any microbial growth on the sealant. Preventol A8 is practically non volatile and insoluble in water.

Use levels are 0.24 – 0.97% active ingredient based on the total weight of product to be protected. Additions depend on the composition of the sealant, the conditions in which it is to be used, and the degree of protection required. The powdered preservative must be mixed thoroughly with the sealant formulation or pre-blended with a compatible component of the formulation. It is also possible to add Preventol A8 to liquid formulations.

Metalworking/Cutting Fluids

Preventol A8 II 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 II Preservative in a suitable solvent. Lab trials to check the compatibility of the fluid to be preserved with. Preventol A8 II Preservative should be checked and Preventol A8 II Preservative must 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 II Preservative is to be added directly to the diluted metalworking fluid, it must 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 II Preservative prevents growth of mold-fungi. If supplementary protection against bacterial growth is required, LANXESS Corporation recommends combination with a suitable bactericide.

Use Concentrations:

Metalworking fluids - Mineral Oil Based

Metalworking fluids (concentrates): 1.95 - 3.89%
Metalworking fluids (ready to use): 0.97 - 0.195%

Metalworking fluids - Non-Mineral Oil Based

Metalworking fluids (concentrates): 1.95 - 3.89 %
Metalworking fluids (ready to use): 0.97 - 0.195 %

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The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by LANXESS Corporation. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases LANXESS from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind LANXESS. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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