



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 20, 2017

Marcia L. Croce
Regulatory Affairs Specialist
Material Protection Products, Regulatory Affairs
Lanxess
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

Subject: Label Amendment - To Update Use Rate and Minor Edits
Product Name: Preventol A 12 TK-50 Preservative
Preservative EPA Registration Number: 39967-121
Application Date: February 26, 2015
Decision Number: 502215

Dear Ms. Croce:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 webs

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Tom Luminello by phone at (703) 308-8075, or via email at Luminello.Tom@epa.gov.

Sincerely,



Jacqueline Hardy
Product Manager 34
Regulatory Management Branch 2
Antimicrobials Division (7510P)

Enclosure Stamped label

Preventol® A 12 TK-50 Preservative

PRESERVATIVE FOR INDUSTRIAL AND COMMERCIAL USES

ACTIVE INGREDIENT: 1-((2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl)-1H-1,2,4-triazole-----	50.0%
INERT INGREDIENTS -----	50.0%
TOTAL -----	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes eye irritation. Do not get into eyes, on skin, or on clothing. Harmful if swallowed, inhaled or absorbed through skin. 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.

Personal Protective Equipment (PPE)

Mixers and loaders using liquid formulations must wear:

- long-sleeved shirt and long pants
- shoes and socks
- chemical-resistant gloves

Safety Requirements: Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. Users must remove clothing/PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product 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 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.

DIRECTIONS FOR USE

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 any other products mentioned must be followed

FOR DETAILED DIRECTIONS FOR USE, PLEASE REFER TO THE LANXESS CORPORATION LABEL SUPPLEMENT. Read these entire Directions before using Preventol A 12 TK-50 Preservative.

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300
INTERNATIONAL 703-527-3887

EPA Reg. No.: 39967-121
EPA Est. No.:

Net Contents:
Lot No.:

Batch Code:

LANXESS

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

LABEL TEXT DATE: 5/30/13

FIRST AID

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 eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: 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: 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 to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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.

NOTE TO PHYSICIAN: There is no specific antidote. Induce emesis or lavage stomach. Give a saline laxative and supportive therapy.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide wastes may be acutely hazardous. Improper disposal is a violation of federal law. Pesticide, mixtures, or equipment rinse waters that cannot be chemically reprocessed must be disposed of according to applicable federal, state or local procedures. Contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container.

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank for store rinsate for later use or disposal. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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

ACCEPTED

10/20/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 39967-121

LANXESS

Energizing Chemistry

Product Information

PREVENTOL[®] A 12 – TK 50 PRESERVATIVE

EPA Registration Number 39967-121
CAS Number: 60207-90-1

PREVENTOL[®] A 12 – TK 50 Preservative

PRESERVATIVE FOR INDUSTRIAL AND COMMERCIAL USES

DIRECTIONS FOR USE

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

The following guidance is given as an approximation for each use pattern, but field-testing is required to achieve optimum effectiveness.

GENERAL USE DIRECTIONS

PREVENTOL[®] A 12-TK 50 Preservative is for use in industrial applications.

The following are suggested use concentrations and techniques for PREVENTOL[®] A 12–TK 50 Preservative. Typical use levels that are given for the various applications indicate the approximate levels for the particular application. All use levels are in percentage by weight – to confirm after other label text complete and refer to the product PREVENTOL[®] A 12-TK 50 Preservative unless otherwise stated as active ingredient level. In order to determine the most cost effective use level in a given use, field trials are suggested.

SAPSTAIN AND MOLD CONTROL:

PREVENTOL[®] A 12-TK 50 Preservative is used to control sapstain and mold in 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, yarding prior to sawing and other purposes.

Wood Finish: Engineered wood composites, such as particle board, wafer board, oriented strand board, and similar products can be protected from fungal discoloration during storage by treatment with PREVENTOL[®] A 12–TK 50 Preservative.

Wood Chips/Saw Dust: Treatment of wood chips, saw dust or other similar by products intended for papermaking (Not for food grade/food contact paper or paper board) reduces fungal discoloration and lowers bleaching requirements for finished paper products.

Plywood Veneer: Treatment with PREVENTOL[®] A 12-TK 50 Preservative 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.

PREVENTOL® A 12-TK 50 Preservative is applied by dipping or spraying the wood until complete surface wetting is achieved. For bulk dip tanks PREVENTOL® A 12-TK 50 Preservative is diluted by using 0.065 – ½ gallon of PREVENTOL® A 12-TK 50 Preservative in 100 gallons of water. Agitate vigorously until completely dispersed. For conventional spray systems a 0.25% to 2% PREVENTOL® A 12-TK 50 Preservative spray solution is used. For example, in a 100 gallon day tank, 0.12 to 1 gallons of PREVENTOL® A 12-TK 50 Preservative 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, PREVENTOL® A 12-TK 50 Preservative 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 PREVENTOL® A 12-TK 50 Preservative product representative for application advice.

Remove sawdust and other debris from treating solution on a regular basis to maintain correct concentration of PREVENTOL® A 12-TK 50 Preservative in application solution. To prevent fungal attack below the surface of the wood, freshly sawn lumber should be treated within 24 hours.

For sapstain application, treated lumber must be stored under cover, indoors, or at least 100 feet from any pond, lake, stream, wetland or river to prevent possible runoff of the product into the waterway. Treated lumber stored within 100 feet of a pond, lake, stream, wetland, or river must be either covered with plastic or surrounded by a berm to prevent surface water runoff into the nearby waterway. If a berm or curb is used around the site, it should consist of impermeable material (clay, asphalt, concrete) and be of sufficient height to prevent runoff during heavy rainfall events.

DECAY AND STAIN PROTECTION:

Description: PREVENTOL® A 12-TK 50 Preservative 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).

Treated wood shall not be used in the construction of beehives.

Product Uses: For application to millwork, shingles and shakes, siding, plywood, and structural lumber & 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 must be kiln dried or air seasoned to a moisture content of about 25% or less, that will permit adequate penetration of preservative during treatment.

Treatment: Apply by immersion, roller coater, flood, spray, brush or pressure treatment processes (double vacuum, full-cell or modified full-cell). For non-pressure application methods, mix 1 to 2 gallons of PREVENTOL® A 12-TK 50 Preservative with water to achieve 100 gallons of treating solution at the concentration of 0.5 – 1% a.i., respectively. Wood products to be treated by the bundle-dipping process must be completely immersed for three (3) minutes. Individual wood pieces treated by immersion, roller-coater or flood shall be treated for not less than fifteen (15) seconds. Coverage for brush and spray application is approximately 150 square feet per gallon of treating solution, but varies by the species and condition of the wood. Pressure treatment must be performed according to the methods described in the American Wood Preservers' 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 repellents, treated wood must be completely dry and odor-free. For non-pressure applications, allow 4-8 hours drying time under average temperature and humidity conditions; treated wood can be heat dried for plant production. Pressure treated wood requires drying after treatment to a moisture content suitable for the type of coating to be applied.

Clean-up: Use water to remove wet PREVENTOL® A 12-TK 50 Preservative from all surfaces, brushes and rollers.

COOLING TOWER WOOD:

Use PREVENTOL® A 12 Preservative to protect cooling tower wood against surface rot and internal or dry rot. Apply by spraying or painting a solution containing 0.5% to 1.1% PREVENTOL® A 12-TK 50 Preservative in water onto the clean wood surfaces. The amount applied must provide 0.12 to 0.25 pounds PREVENTOL® A 12-TK 50 Preservative per 1000 sq. ft. of wood surface. Surface rot can also be inhibited by a periodic shock dose of PREVENTOL® A 12 Preservative to the re-circulating cooling water at the tower basin or cold well. The dosage must provide 0.8 pounds of PREVENTOL® A 12-TK 50 Preservative per 1000 gal. of water and the bleedoff should be stopped for 4 to 6 hours after treatment. The shock treatment must be repeated every four months.

IN CONTAINER PRESERVATIVE USES FOR FILM-FORMING COATINGS AND BUILDING MATERIALS (INCLUDING CAULKS, SEALANTS, ADHESIVES AND BINDERS)

PREVENTOL® A 12-TK 50 Preservative provides control of fungi causing stain, odor, degradation of physical properties, and/or product degradation when used as an in container preservative at levels between 0.1 – 2.5% (0.05 – 1.25%

propiconazole), based on the total weight of the coating, or building material, such as mastics, caulks, joint cements, sealants, spackling, patching compounds, grouts, adhesives or emulsions and slurries used in their manufacture. Sufficient mixing to ensure adequate dispersion is required. PREVENTOL® A 12-TK 50 Preservative cannot be used in adhesives applied to food packaging.

IN CONTAINER PRESERVATIVE USES FOR PENETRATING (SOLVENT-BASED) STAINS

PREVENTOL® A 12-TK 50 Preservative provides control of fungi causing discoloration, odor, degradation of physical properties, and/or product degradation when used as an in container preservative at levels between 0.1 – 0.8% (0.05 – 0.4% propiconazole), based on the total weight of the penetrating stain.

IN CONTAINER PRESERVATIVE FOR INK

PREVENTOL® A 12-TK 50 Preservative provides control of fungi causing stain, odor, degradation of physical properties, and/or product degradation when used as an in container preservative at levels between 0.1 – 2.5% (0.05 – 1.20% propiconazole), based on the total weight of the ink.

DRY FILM PRESERVATIVE OF COATINGS AND BUILDING MATERIALS (INCLUDING CAULKS, SEALANTS, ADHESIVES AND BINDERS)

PREVENTOL® A 12-TK 50 Preservative provides control of mold and mildew fungi causing stain, odor, or film degradation when used as a dry film preservative at levels between 0.1 – 2.5% (0.05 – 1.25% propiconazole), based on the total weight of the coating, or building material, such as mastics, caulks, joint cements, sealants, spackling, patching compounds, grouts, and adhesives. Sufficient mixing to ensure adequate dispersion is required. PREVENTOL® A 12-TK 50 Preservative cannot be used in adhesives applied to food packaging. Preserved coating can be applied by brush, roller, or airless sprayer.

PENETRATING WOOD PRESERVATIVES AND WOOD PRESERVATIVE STAINS

PREVENTOL® A 12-TK 50 Preservative provides control of decay and stain fungi on wood treated at levels between 0.5 – 1.6% (0.25 – 0.8% propiconazole), based on the total weight of the wood preservative or wood preservative stain, Preserved stain can be applied by brush, roller or low pressure hand wand.

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

PREVENTOL® A 12-TK 50 Preservative will inhibit fungal mold and mildew growth which causes discoloration, odor and degradation in paper, wallboard, and paperboard. Apply with thorough agitation.

PREVENTOL® A 12-TK 50 Preservative can be added to the wet end of a paper machine at rates such that 0.1 to 2.5 pounds active ingredient are retained per ton of dry fiber. Alternately, application may be made at the size press, water box or dry end of the paper machine at rates such that 0.1 to 2.5 pounds of active ingredient are retained per ton of dry paper. Regardless of application method, the maximum rate of application shall be such that not more than 2.5 pounds active ingredient are retained per ton of dry paper. PREVENTOL® A 12-TK 50 Preservative may be applied to the gypsum core of wallboard to inhibit the growth of fungi. Apply 0.05 to 0.6 pounds of active ingredient per 1000 pounds of formulation (i.e. wet slurry) or 0.1 to 1.2 pounds of PREVENTOL® A 12-TK 50 Preservative per 1000 pounds of formulation .

PREVENTOL® A 12-TK 50 Preservative 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) or 1 to 8.5 pounds of PREVENTOL® A 12-TK 50 Preservative per 1000 pounds of formulation.

PREVENTOL® A 12-TK 50 Preservative can be added at any time during the formulation procedure.

RUBBER AND PLASTIC PRODUCTS

PREVENTOL® A 12-TK 50 Preservative will control mold and mildew on rubber and plastic products such as curtains, bath mat, and thermoplastic rubber.

PREVENTOL® A 12-TK 50 Preservative must be added at rates from 0.1 to 0.5% active ingredient by weight. The temperature stability of PREVENTOL® A 12-TK 50 Preservative may be influenced by the choice of heat stabilizer and plasticizer in the formulation. Testing must be done to confirm compatibility of PREVENTOL® A 12-TK 50 Preservative with specific rubber or plastic products.

METALWORKING FLUIDS

Use PREVENTOL® A 12-TK 50 Preservative to inhibit fungal degradation of water based and water emulsifiable cutting fluids and coolants used in metalworking operations. Add PREVENTOL® A 12-TK 50 Preservative to the fluid concentrate

or to the diluted metalworking, a.i. in an amount which will provide 50 to 700 ppm active ingredient in the diluted fluid.

TEXTILES, FABRIC, FIBERS

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 active ingredient, based on weight of goods, can inhibit the growth of mold and mildew that cause stains, odors and product degradation in textiles, fabrics and fibers composed of acetate, acrylic, acrylonitrile butadiene styrene, natural fibers (cotton, paper, wool, etc.), nitrile copolymers, nylon, polyester, polyethylene, polypropylene, rayon, rubber (natural & synthetic), coatings/finishes composed of silicone, urethane or vinyl applied to such materials. The material must 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.

REMARKS

If you need assistance or information, please call your nearest LANXESS representative, or our Pittsburgh office at 800-LANXESS.

**IN CASE OF EMERGENCY, CALL: CHEMTREC 1-800-424-9300
INTERNATIONAL (703)-527-3887**

**HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A
POISON CONTROL CENTER OR DOCTOR OR GOING FOR TREATMENT.**

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275
412-809-1000

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.