



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 8, 2016

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

Subject: Label Amendment – To clarify use directions and update dosage levels
Product Name: Preventol P 91
EPA Registration Number: 39967-79
Application Date: July 12, 2016; August 17, 2016
Decision Number: 519698; 520737

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 website will be referred to the EPA's Office of Enforcement and Compliance.

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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 Zebora Johnson by phone at (703) 308-7080 or via email at johnson.zeboraj@epa.gov.

Sincerely,



Julie Chao, Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Accepted Label

PREVENTOL® P 91

FOR THE PRESERVATION OF WATER-BASED PRINTING INKS*, FOUNTAIN SOLUTIONS*, METAL WORKING FLUIDS*, ABSORBENT CLAYS*, PAINTS, COATINGS, POLYMER EMULSIONS*, CHEMICAL TOILET DEODORANTS*, ADHESIVES, MINERAL SLURRIES*, CONSUMER*, HOUSEHOLD AND INSTITUTIONAL PRODUCTS*, CLEANERS AND DETERGENTS*, PIGMENT*, RAW MATERIALS*, SURFACTANTS*, CONCRETE ADMIXTURES*, BUILDING MATERIALS*, WATER BASED AGRICULTURAL PESTICIDE CONCENTRATES*, PAPER MILLS* – BULK PAPER*, PAPER MILL PROCESS WATER*, INDUSTRIAL COOLING WATER*, AIR WASHERS*, STARCH* AND THICKENER SOLUTIONS*

*Not For Use in the State of California

ACTIVE INGREDIENTS: 2-bromo-2-nitropropane-1,3-diol -----	9.97%
5-chloro-2-methyl-4-isothiazolin-3-one-----	0.8%
2-methyl-4-isothiazolin-3-one-----	0.3%
INERT INGREDIENTS -----	88.93%
TOTAL -----	100.0%

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin irritation. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. This product may cause skin sensitization reactions in some people. Applicators and other handlers must wear protective eye wear, coveralls over long-sleeved shirt and long pants, socks plus chemical-resistant footwear, and chemical resistant gloves. User must wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using the toilet. If pesticide gets inside clothing, remove clothing immediately, wash thoroughly, and put on clean clothing. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Users must 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

IF IN EYES: Hold eye 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 ON SKIN: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for further advice.

IF SWALLOWED: Call a poison control center or doctor immediately 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 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 treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a Poison Control Center or doctor for treatment advice.

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

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

EPA REGISTRATION NUMBER: 39967-79

EPA ESTABLISHMENT NUMBER:

LANXESS

LANXESS Corporation

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

DIRECTIONS FOR USE

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

Detailed directions for use can be found in the PREVENTOL® P 91 Product Information Sheet. Obtain and read this information before undertaking the use of PREVENTOL® P 91 in order to avoid process mistakes. Do not apply this product in a way that will contact workers or other persons.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Product must be stored in an area that is not subject to extreme temperatures. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If the container is leaking material for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed below.

PESTICIDE 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: Do not reuse empty container. Triple rinse (or equivalent) then offer drum for recycling or reconditioning, or puncture. Dispose of drum and liner in a sanitary landfill, by incineration or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to terrestrial and aquatic plants, fish and aquatic 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 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.

® Preventol is a registered trademark of LANXESS Corporation

INTERNATIONAL 703-527-3887

Net Contents:

Lot No.:

LABEL TEXT DATE: 8/16

ACCEPTED

Dec 08, 2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 39967-79

LANXESS

Energizing Chemistry
Product Information

PREVENTOL® P 91

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PREVENTOL® P 91

PREVENTOL® P 91 IS EFFECTIVE AGAINST THE GROWTH OF SLIME-FORMING, SPOILAGE, ODOR-CAUSING AND CORROSION INDUCING BACTERIA AND ALGAE IN WATER-BASED PRINTING INKS*, FOUNTAIN SOLUTIONS*, METAL WORKING FLUIDS*, ABSORBENT CLAYS*, PAINTS, COATINGS, POLYMER EMULSIONS*, CHEMICAL TOILET DEODORANTS*, ADHESIVES, MINERAL SLURRIES*, CONSUMER*, HOUSEHOLD AND INSTITUTIONAL PRODUCTS*, CLEANERS* AND DETERGENTS*, PIGMENT*, RAW MATERIALS*, SURFACTANTS*, CONCRETE ADMIXTURES*, BUILDING MATERIALS*, WATER BASED AGRICULTURAL PESTICIDE CONCENTRATES*, PAPER MILLS – BULK PAPER*, PAPER MILL PROCESS WATER*, INDUSTRIAL COOLING WATER*, AIR WASHERS*, STARCH* AND THICKENER SOLUTIONS*

*Not for use in the State of California

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 recommended to achieve optimum effectiveness.

Do not apply this product in a way that will contact workers or other persons.

USE DIRECTIONS

To control the growth of slime-forming, spoilage, odor-causing and corrosion inducing bacteria and algae in industrial applications, PREVENTOL® P 91 can be dosed directly, or by preparing a stock solution immediately prior to application, either by open pouring or by metered pump. For process application treatments PREVENTOL® P 91 may be slug dosed initially when the system is not noticeably fouled and reduced to a maintenance dose once microbial control is evident. More frequent and higher dosing must be used when contamination is heavy. The recommended dosing regimes (slug/maintenance dose) and the dose rates are as indicated in the individual use area instructions.

For preservation during the manufacture, distribution, storage and use of industrial, consumer, household and institutional products PREVENTOL® P 91 is best added at any liquid phase during the manufacturing process. It may be added by pre-dissolving in any water to be incorporated into the formulation. Add after any heating stage, or when the product has been cooled below 40°C. Ensure good mixing and even distribution throughout the product.

Do not apply this product in anyway that will contact workers or other persons.

WATER-BASED PRINTING INKS AND FOUNTAIN SOLUTIONS (Not for use in the State of California)

For water-based printing inks dose with PREVENTOL® P 91 at 0.05 – 0.30%.

During the use of fountain solutions, shock dose with PREVENTOL® P 91 at 0.05 – 0.30% depending on the contamination. Apply once weekly in the fount reservoir as a normal routine or more frequently, if required.

For fountain solution concentrates dose with PREVENTOL® P 91 at 0.5 – 6.0%.

METAL WORKING FLUIDS (Not for use in the State of California)

For use in soluble oils, semi-synthetic and synthetic fluids. Add directly to the sump (with agitation) and allow to circulate for about one hour before shutdown. PREVENTOL® P 91 may be incorporated in the metalworking fluid concentrate by the manufacturer who must ensure that any incompatibility will not affect the efficacy.

In diluted fluids add 500 to 3000 ppm of PREVENTOL® P 91.

ABSORBENT CLAYS, CORN COBS, AND GROUND WOOD (Not for use in the State of California)

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For preservation, impregnate absorbent clays, corn cobs, or ground wood with PREVENTOL® P 91 to inhibit the growth of odor causing bacteria by spraying or pouring solution of 0.1 to 0.3% PREVENTOL® P 91.

PAINTS AND COATINGS

For the preservation of latex based paints and coatings add PREVENTOL® P 91 at 0.05 to 0.35% based upon the final formulation volume.

POLYMER EMULSIONS (Not for use in the State of California)

For the preservation of acrylic, styrene-acrylic, polyvinyl acetate and other latex emulsions, photographic emulsions, silicone and other antifoam emulsion systems.

Add PREVENTOL® P 91 at 0.05 to 0.38% based upon the final formulation volume.

CHEMICAL TOILET DEODORANTS (Not for use in the State of California)

To inhibit the growth of odor-causing bacteria in toilets, chemical deodorant concentrates should incorporate PREVENTOL® P 91 so that the diluted chemical toilet deodorant contains 500 to 3000 ppm of PREVENTOL® P 91.

ADHESIVES

For the preservation of adhesives add PREVENTOL® P 91 at 0.05 to 0.30% based upon the final formulation volume.

MINERAL SLURRIES (Not for use in the State of California)

For the preservation of mineral slurries add PREVENTOL® P 91 at 0.05 to 0.30% based upon the final formulation volume.

CLEANERS AND DETERGENTS (Not for use in the State of California)

For the preservation of consumer, household and institutional products such as dishwashing liquids, surface cleaners, detergents and polishes, waxes, laundry products, liquid air fresheners / deodorizers, car care products and liquid fabric treatment / refresher products add PREVENTOL® P 91 at 0.05 to 0.20% based upon the final formulation volume.

GENERAL PRESERVATION (Not for use in the State of California)

For the preservation of industrial products such as pigments, surfactants and raw materials for the manufacture of industrial and consumer products, also industrial water additive formulations for use in processes such as boiler water and waste water products.

For general preservation applications, PREVENTOL® P 91 must be dosed at 0.05 to 0.3% based on the final formulation volume.

CONCRETE ADMIXTURES (Not for use in the State of California)

For the preservation of concrete admixtures based on polycarboxylates, lignosulphonates, naphthalene sulphonates, melamine sulphonates and other systems.

Add PREVENTOL® P 91 at 0.05 to 0.50% based upon the final formulation volume.

BUILDING MATERIALS (Not for use in the State of California)

For the preservation of building materials add PREVENTOL® P 91 at 0.05 to 0.25% based upon the final formulation volume.

WATER BASED AGRICULTURAL PESTICIDE CONCENTRATES (Not for use in the State of California)

For preservation, PREVENTOL® P 91 should be dosed at 0.05 to 0.30% based on the final formulation volume.

PAPER MILLS – BULK PAPER (Not for use in the State of California)

PREVENTOL® P 91

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Add PREVENTOL® P 91 directly into the hydropulper, machine chest or stock chest. Apply once weekly to once daily at 500 to 2000 ppm.

PAPER MILL PROCESS WATER (Not for use in the State of California)

Apply at a convenient point early in the process system (machine chest, constant head box or backwater loop system. Dose PREVENTOL® P 91 one to three times daily at 10 to 250 ppm in the process water. This equates to 0.21 to 5 lbs of PREVENTOL® P 91 per ton of finished paper or paperboard.

INDUSTRIAL COOLING WATER AND AIR WASHERS (Not for use in the State of California)

For use in cooling towers, evaporative condensers, open and closed loop cooling and stored (non-potable) water, industrial and/or commercial air washers, air conditioning and humidifying systems. PREVENTOL® P 91 will reduce the biofouling of pipe work, heat exchangers, tower fill, and condenser tubes and minimize microbial-induced corrosion. Apply PREVENTOL® P 91 once weekly to once monthly to the sump or tank where turbulence and flow will ensure quick dissolution. Do not apply by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method.

Shock dose (initial) PREVENTOL® P 91 at 0.02 to 0.12%. Subsequent dosing (maintenance) can be reduced to 0.005 to 0.03%.

In controlled laboratory efficacy studies against pure Legionella cultures, mixtures of Bronopol and CIT/MITT has shown some effectiveness. However, there is no evidence that any chemical treatment will control growth or transmission of the Legionnaire's Disease Bacteria(LDB) under actual operating conditions. LANXESS recommends that the cooling water systems be treated with an effective biocide treatment program as well as monitoring the system to ensure control of microbial growth.

STARCH AND THICKENER SOLUTIONS (Not for use in the State of California)

For the preservation of starch and thickener solutions add PREVENTOL® P 91 at 0.05 to 0.30% based upon the final formulation volume.

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 LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR OR GOING FOR TREATMENT.

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

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