



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 27, 2019

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

Subject: Label Amendment – Updating Master Label  
Product Name: Preventol PM 310  
EPA Registration Number: 39967-146  
Application Date: 10/4/18  
Decision Number: 545148

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.

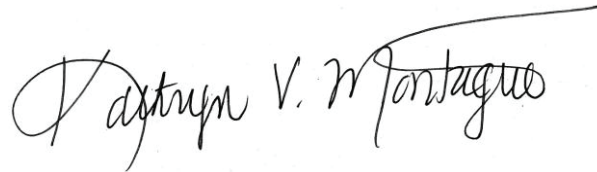
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded 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.

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

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with FIFRA section 6. If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Kathryn V. Montague". The signature is written in a cursive style with a long, sweeping horizontal line extending from the top of the "g" in "Montague" across the top of the signature.

Kathryn Montague, Acting Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Accepted label

# Preventol® PM 310

FOR THE CONTROL OF BACTERIA, AND FUNGI in industrial processes and water systems, air washing systems, pulp and paper mill systems, adhesives, tackifiers and sealants, paints, coating and stains, pigments, dyes and filler suspension, consumer, household, and institutional products, inks and fountain solutions, concrete admixtures, metalworking fluids, polymer emulsions (polymer lattices), and water based agricultural pesticides concentrates.

ACTIVE INGREDIENTS: 2-bromo-2-nitropropane-1,3-diol .....	15%
2-methyl-3(2H)-isothiazolone .....	5%
INERT INGREDIENTS .....	80%
TOTAL .....	100.0%

## DANGER

### KEEP OUT OF REACH OF CHILDREN PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER CORROSIVE** Causes irreversible eye damage and skin burns. May be fatal if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if swallowed or absorbed through skin. Do not breathe spray mists. Do not get in eyes, on skin, or on clothing. Wear a NIOSH approved respirator with an organic vapor cartridge or a NIOSH approved gas mask with a canister. Wear protective eyewear such as goggles, face shield or safety glasses, clothing and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### 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 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 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 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 the poison control center or doctor.
- Do not give anything to an unconscious person.

##### NOTE TO PHYSICIAN:

- Probable mucosal damage may contraindicate the use of gastric lavage.
- Treat according to symptoms

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

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

® Preventol is a registered trademark of LANXESS Corporation

# 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. For specific application information refer to the Preventol® PM 310 Product Information.

#### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Protective eyewear (goggles, face shield or safety glasses) and chemical resistant gloves. Coveralls over long sleeved shirt and long pants, socks and chemical resistant footwear. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### USER SAFETY MEASURES

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets on/inside, then wash thoroughly and put on clean clothing. Remove personal protective equipment 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 pesticide is toxic to fish, aquatic invertebrates, shrimp and oysters. Do not discharge effluent containing this product into lakes, stream, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination systems (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. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Product should 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.

**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 HANDLING:** Do no refill or reuse container. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. 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. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

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

**EPA Reg. No.: 39967-146**

**EPA Est. No.:**

**Net Contents:**

**Lot No.:**

LABEL TEXT DATE 10/4/18

**ACCEPTED**

11/27/2019

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

EPA Reg. No. 39967-146

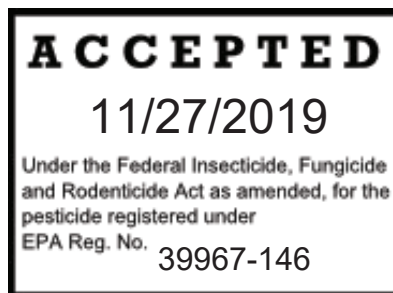
# LANXESS

Energizing Chemistry

Product Information

## PREVENTOL<sup>®</sup> PM 310

EPA Registration Number 39967-146



PREVENTOL<sup>®</sup> PM 310

39967-146

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# PREVENTOL<sup>®</sup> PM 310

FOR THE CONTROL OF BACTERIA, AND FUNGI in Industrial processes and water systems, air washing systems, pulp and paper mill systems, building materials, adhesives, tackifiers and sealants, polymer emulsions (polymer lattices), paints, coating and stains, pigments, dyes and filler suspension, consumer, household, and institutional products, inks and fountain solutions, concrete admixtures, metalworking fluids, and water based agricultural pesticides concentrates.

## DIRECTIONS FOR USE

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

### INDUSTRIAL PROCESSES AND WATER SYSTEMS

**INDUSTRIAL RECIRCULATING WATER COOLING TOWERS:** For use only in Industrial Recirculating Water Cooling Towers that maintain effective mist eliminating components. Badly fouled systems must be cleaned before treatment is begun. **SLUG OR INTERMITTENT METHOD: Initial dose:** When system is noticeably fouled apply 25.2 oz. to 100.7 oz. /1000 gal. of PREVENTOL<sup>®</sup> PM 310 (167-667ppm) Repeat until control is achieved. **Subsequent dose:** When control is evident, apply 25.2 oz. to 100.7 oz. /1000 gal. (167-667 ppm) of PREVENTOL<sup>®</sup> PM 310 every three days or as needed. **CONTINUOUS METHOD: Initial dose:** When system is noticeably fouled, apply 25.2 oz to 100.7 oz. /1000 gal. of PREVENTOL<sup>®</sup> PM 310 (167-667 ppm) per day. **Subsequent dose:** Maintain initial rate by continuously feeding 25.2 oz. to 100.7 oz. /1000 gal. of PREVENTOL<sup>®</sup> PM 310 (167-667 ppm) per day.

**AIR WASHING SYSTEMS:** For use only in Industrial Air Washer Systems that maintain effective mist eliminating components. Badly fouled systems must be cleaned before treatment is begun. **SLUG OR INTERMITTENT METHOD: Initial dose:** When system is noticeably fouled apply 25.2oz. to 100.7 oz. /1000 gal. of PREVENTOL<sup>®</sup> PM 310 (167-667 ppm). Repeat until control is achieved. **Subsequent dose:** When control is evident, apply 25.2 oz. to 100.7 oz. of PREVENTOL<sup>®</sup> PM 310 (87.5 -115 ppm) every three days or as needed. **CONTINUOUS METHOD: Initial dose:** When system is noticeably fouled, apply 25.2 oz. to 100.7 oz. /1000 gal. of PREVENTOL<sup>®</sup> PM 310 (167-667 ppm) per day. **Subsequent dose:** Maintain initial rate by continuously feeding 25.2 oz. to 100.7 oz. /1000 gal. of PREVENTOL<sup>®</sup> PM 310 (167-667 ppm) per day.

### CLOSED LOOP SYSTEMS

For use in closed loop cooling, PREVENTOL<sup>®</sup> PM 310 will reduce the biofouling of pipe work and condenser tubes. Apply PREVENTOL<sup>®</sup> PM 310 once weekly to once monthly to the sump or tank where the flow will ensure quick incorporation, a metering pump delivery system is required for this use and application method. Shock dose PREVENTOL<sup>®</sup> PM 310 at 167 to 667 ppm (25.2oz. to 100.7 oz. /1000 gal.). Subsequent dosing can be reduced to 87.5 -115 ppm.

### PULP AND PAPER MILL SYSTEMS

**PULP AND PAPER MILL SYSTEMS:** PREVENTOL<sup>®</sup> PM 310 should be added to a paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white tank. Apply 0.013 -0.334 lbs. of PREVENTOL<sup>®</sup> PM 310 per ton of pulp or paper (dry basis)-(6.67-167 ppm) once weekly to once daily. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

**PULP AND PAPER MILL Bulk Paper/Paper Additives:** Add PREVENTOL<sup>®</sup> PM 310 directly to the material to be preserved prior to manufacturing into the finished paper product, (i.e., pulp, broke, polymers, defoamers, alum, emulsions, adhesives, paper mill coatings, pigment slurries, and paper products. The dosage rate will depend upon the material to be preserved and the storage time. The usual addition should be 50.28 to 201.41 oz. /1000 gal. of PREVENTOL<sup>®</sup> PM 310 (333.33 - 1334 ppm).

## **MATERIAL PRESERVATION**

### **ADHESIVES, TACKIFIERS AND SEALANTS**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of water based adhesives and water dispersible adhesive, tackifiers and sealants. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight. Dosage Rate: 350-5000 ppm of the finished product

### **POLYMER EMULSIONS (POLYMER LATICES)**

PREVENTOL<sup>®</sup> PM 310 is recommended for the control of microorganisms in the manufacture and storage of synthetic and natural polymer emulsions and latexes including but not limited to acrylics; styrene/butadiene; carboxylated styrene/butadiene; ethylene/vinyl acetate including PVA; and biopolymers intended for industrial use, such as xanthan gum, gum arabic, guar gum, protein-derived polymers, starches, and casein-derived polymers. To ensure uniform mixing, add PREVENTOL<sup>®</sup> PM 310 to polymer emulsion or latex solutions slowly with agitation. Dosage Rate: 350 to 5000 ppm of the finished product.

### **PAINTS, COATINGS, AND STAINS:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of paints ,coatings and stains.. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight. Dosage Rate: 350 -3000 ppm ppm of the finished product.

### **PIGMENTS, DYES, AND FILLER SUSPENSIONS:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of pigments, dyes, and filler suspension Pigments, dyes and filler suspensions include dispersed pigments and mineral slurries such as kaolin clay, montmorillite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, carbon black, iron oxide, and diatomaceous earth The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight. Dosage rate: 200-3,333 ppm of the finished product.

### **CONSUMER, HOUSEHOLD AND INSTITUTIONAL PRODUCTS:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of consumer, household and institutional products such as surface cleaners and polishes. Surfactants and raw materials for the manufacture of industrial and consumer products. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight. Dosage Rate : 667-3,333 ppm of the finished product.

### **BUILDING MATERIAL PRESERVATION:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of mastics, grout, caulks, joint compound, and spackling. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight. Dosage Rate :500-3000 ppm of the finished product.

### **INKS AND FOUNTAIN SOLUTIONS:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of inks and fountain solutions. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

During the use of fountain solutions, shock dose of PREVENTOL<sup>®</sup> PM 310 at 334-667 ppm depending on the contamination. Apply once weekly in the fountain reservoir as a normal routine or more frequent, if required.

For In-Can preservation dose of PREVENTOL<sup>®</sup> PM 310 at 667-3333 ppm on the final formulation volume.

### **CONCRETE ADMIXTURES:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of concrete admixtures. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight. Dosage rate : 500-5000 ppm of the finished product.

### **METALWORKING FLUIDS - TANKSIDE:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of metalworking fluids. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Add PREVENTOL<sup>®</sup> PM 310 at 500-5000 ppm to the sump (with agitation) and allow to circulate for about one hour before shutdown.

### **WATER BASED AGRICULTURAL PESTICIDE CONCENTRATES:**

PREVENTOL<sup>®</sup> PM 310 is used in the preservation of aqueous agricultural pesticide concentrates. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight. Dosage rate : 667-3,334 ppm of the finished product.

### **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 OF 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.

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