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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



Office of Pesticide Programs

MAR 14 2013

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

Attention: Barbara Sadler  
Regulatory Affairs Specialist

Subject: Preventol D 7  
EPA Registration No.39967-93  
Notification Dated February 13, 2013

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

**Proposed Notification**

- Addition of two new use sites

**General Comments**

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Swindell".

Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)



February 13, 2013

Document Processing Desk (NOTIF)  
Marshall Swindell, Antimicrobial Division (33)  
Office of Pesticide Program (7504P)  
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Arlington, VA 22202-4501

Barbara Sadler  
Regulatory Affairs  
Material Protection Products  
111 RIDC Park West Drive  
Pittsburgh, PA 15275-1112

Phone 412-809-3714  
Barbara.sadler@lanxess.com  
www.US.LANXESS.com

**RE: Product: Preventol D 7  
Registration No. 39967-93  
Label Change Notification**

Dear Mr. Swindell,

Please find enclosed a notification for the addition of two new use sites high-lighted in yellow on the supplemental label. The addition of the two new use sites does not affect the container label. This is submitted in accordance with PR Notice 98-10; these uses are within an already registered use pattern category for this product as specified in 40 CFR Part 158. Enclosed are:

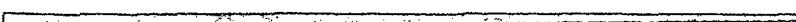
- Form 8570-1
- Three high-lighted label copies (dated 12/12)
- Three copies of EPA Stamped label (dated 7/24/12)

As stated in my October 30, 2012 letter and confirmed by your November 15, 2012 letter the "Dispersion Pigments" was removed from the label since this use is already included in the Pigment and Mineral Slurries category.

Please contact me at 412-809-3714 if you have any questions or require additional information.

Sincerely,

Barbara Sadler  
Regulatory Affairs Specialist



# LANXESS

Energizing Chemistry

Product Information

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## PREVENTOL<sup>®</sup> D 7

EPA Registration Number 39967-93

CAS Number: 55965-84-9

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# PREVENTOL<sup>®</sup> D 7

FOR INDUSTRIAL USE AS A PRESERVATION TO INHIBIT THE GROWTH OF BACTERIA, FUNGI, YEAST AND ALGAE IN PAINTS AND COATINGS, PIGMENT AND MINERAL SLURRIES, ADHESIVES AND TACKIFIERS, POLYMER EMULSIONS, METAL WORKING FLUIDS, BUILDING MATERIALS, FOUNTAIN SOLUTIONS, INKS AND PHOTOPLATE PROCESSING, PAPER MILL PROCESS WATER, RECIRCULATING COOLING WATER SYSTEMS, BREWERY PASTEURIZER AND CAN WARMER SYSTEM, HYDRAULIC FLUIDS, OIL & GAS FIELDS INJECTION WATERS, AIR WASHER SYSTEMS, RECIRCULATING ELECTRODEPOSITION SYSTEMS, METAL CLEANING FLUIDS, COMMERCIAL PHOTOPROCESSING SYSTEMS,

## 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.

### PAINTS AND COATINGS

PREVENTOL<sup>®</sup> D 7 is recommended as an in-container preservative for the control of microorganisms in water-based coatings such as paints, paper and wood coatings used for architectural product finishes and special-purpose coatings. The preservative is best incorporated into the products just following the initial additional of water or other liquid components sufficient to dissolve the preservative. If incorporation happens at a later stage in production; stir to ensure homogeneous distribution of the preservative throughout the product. Add 0.43 – 1.65 pounds of PREVENTOL<sup>®</sup> D 7 to each 1000 pounds of fluid to provide 425 to 1,675 ppm product (6.25 - 25 ppm active isothiazolones).

### PIGMENT AND MINERAL SLURRIES

PREVENTOL<sup>®</sup> D 7 is an in-container preservative for the control of microorganisms in the manufacture and storage of 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 used in paint and paper production. Add 0.43 – 1.65 pounds of PREVENTOL<sup>®</sup> D 7 to each 1000 pounds of fluid to provide 425 to 1,675 ppm product (6.25 -25 ppm active isothiazolones).

### ADHESIVES AND TACKIFIERS

PREVENTOL<sup>®</sup> D 7 is recommended as an in-container preservative for the control of microorganisms in water-soluble and water-dispersed adhesives such as animal glues, plant

glues, starch-based glues, natural rubber latexes, polyvinyl acetate, styrene butadiene, and acrylic latexes. PREVENTOL® D 7 is a preservative for tackifiers derived from rosin and hydrocarbon resins. Add 0.43 – 1.65 pounds of PREVENTOL® D 7 to each 1000 pound of fluid to provide 425 to 1,675 ppm product (6.25 - 25 ppm active isothiazolones).

#### **POLYMER EMULSIONS**

PREVENTOL® D 7 is recommended for the control of microorganisms in the manufacture and storage of synthetic and natural polymer emulsions and latexes including: 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. Add 0.43 – 3.3 pounds PREVENTOL® D 7 to each 1000 pounds of emulsion to provide 425 to 3,350 ppm product (6.25 - 50 ppm active isothiazolones). To ensure uniform mixing, add PREVENTOL® D 7 to polymer emulsion or latex solutions slowly with agitation.

#### **BUILDING MATERIALS**

PREVENTOL® D 7 is recommended as an in-container preservative for the control of microorganisms in building materials such as grouts, mastics, caulks, joint cements, concrete admixtures, and spackling. Add 0.43 – 1.65 pounds of PREVENTOL® D 7 to each 1000 pounds of building material to provide 425 to 1,675 ppm product (6.25 - 25 ppm active isothiazolones).

#### **PAPER MILL PROCESS WATER**

Add as a slug dose apply 0.44 to 1.5 pounds of PREVENTOL® D 7 per ton (dry basis) of pulp or paper produced for the control of microbial slime in the production paper. Repeat daily as needed. Heavily fouled systems should be boiled out prior to initial dosing. PREVENTOL® D 7 should be added at a point such as the beater, hydropulper, fan pump, or broke storage pump to ensure uniform mixing.

#### **RECIRCULATING COOLING WATER SYSTEMS**

Add 0.3 – 1.86 pounds PREVENTOL® D 7 per 1000 gallons of cooling water in the system weekly to maintain microbial control. Add PREVENTOL® D 7 to a point in the cooling water system to ensure uniform mixing. For noticeably fouled systems dose as initial treatment with 1.26 – 7.46 pounds PREVENTOL® D 7 per 1000 gallons cooling water. Repeat as necessary to achieve control.

#### **BREWERY PASTEURIZER AND CAN WARMER SYSTEMS**

Add 0.31 – 1.92 pounds PREVENTOL® D 7 Preservative per 1000 gallons of water in the system weekly or as needed to maintain control of microorganisms. For noticeably fouled systems dose as initial treatment with 1.27 – 7.75 pounds PREVENTOL® D 7 per 1000 gallons of water. Repeat as necessary to achieve control.

**HYDRAULIC FLUIDS**

PREVENTOL® D 7 is used as a preservative for use in the manufacture and use of water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water in 60% by volume mineral oil using an oil soluble emulsifying agent.

For the maintenance of a non-fouled system, use PREVENTOL® D 7 at 7.2 – 8.8 pounds per 1000 gallons hydraulic fluid every eight weeks. For a noticeably fouled system use an initial dose of 8.8 – 15.4 pounds PREVENTOL® D 7 per 1000 gallons fluid to be followed by subsequent maintenance dosing. PREVENTOL® D 7 should be dosed into the circulating use-dilution of the hydraulic fluid using a metering pump or by manual pouring, and uniformly dispersed throughout the system.

**OIL & GAS FIELDS INJECTION WATERS**

Add 23.5 to 58.0 pounds PREVENTOL® D 7 per 1000 barrels of water weekly or as needed to maintain control of slime-forming and sulfate reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids, fracturing, completion and drilling fluids. An initial dose of 58.0 to 116.8 pounds PREVENTOL® D 7 per 1000 barrels of water may be used until microbial control is achieved. Dose again after three days or as needed until microbial control is achieved. Add at a point in the system to ensure adequate mixing.

**AIR WASHER SYSTEMS**

For use only in industrial air washing systems with effective mist eliminating elements. Badly fouled air washer systems must be cleaned before initial dosing. Add PREVENTOL® D 7 to the air washer sump or chill water sump to ensure uniform mixing for the control of microorganisms.

Intermittent or slug dosing:

Initial dosing: when system is noticeably fouled, add 1.26 – 7.46 pounds PREVENTOL® D 7 to 1000 gallons of air washer water.

Maintenance dosing: when microbial control is evident, dose 0.3 – 1.86 pounds PREVENTOL® D 7 to 1000 gallons of air washer water.

Repeat treatment as needed depending on the severity of contamination.

Continuous dosing method:

Initial dosing: when system is noticeably fouled, add 1.26 – 7.46 pounds PREVENTOL® D 7 to 1000 gallons of air washer water.

Maintenance dosing: Add a continuous dose of 0.3 – 1.86 pounds PREVENTOL® D 7 to 1000 gallons air washer make-up water.

Repeat treatment as needed depending on the severity of contamination.

**RECIRCULATING ELECTRODEPOSITION SYSTEMS**

PREVENTOL® D 7 is used as a tankside additive for the control of microorganisms in recirculating systems and associated rinse systems. Alternatively, PREVENTOL® D 7 may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

Initial dose of Paint Components: PREVENTOL® D 7 should be added to the resin, pigments, or other component of the electrodeposition paint at a level to ensure that the final use-dilution fluid will contain 333 – 2333 ppm product (5 – 35 ppm active ingredient).

**TANKSIDE ADDITION TO ELECTRODEPOSITION SYSTEMS:** PREVENTOL® D 7 should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to insure uniform mixing. If additional microbial control is necessary PREVENTOL® D 7 may be added to the electrodeposition system tank side to supplement microbicide incorporated through paint components.

Initial dose: When the system is noticeably fouled, add 667-2333 ppm PREVENTOL® D 7 (6.7 – 23.3 gallons per 10,000 gallons of fluid in the system). This provides 10 to 35 ppm of active isothiazolone. Repeat until microbial control is achieved.

Subsequent dose: When microbial control is evident, add 333 -1000 ppm PREVENTOL® D 7 (3.3 – 10 gallons per 10,000 gallons of fluid in the system) weekly or as needed to maintain the system. This provides 5-15 ppm of active isothiazolone. A change of frequency of treatment may be required depending upon the rate of dilution of the preservative with the makeup fluids, the nature and severity of contamination, level of control required, filtration effectiveness and system design.

**NOTE:** Regardless of the manner of incorporation, the total active ingredient level in the system should at no time exceed 35 ppm (equivalent to 2333 ppm PREVENTOL® D 7 23.3 gallons per 10,000 gallons of fluid in the system)

**METAL CLEANING FLUIDS**

PREVENTOL® D 7 is used as a preservative in the manufacture and use of alkaline, acid and emulsion based metal cleaning fluids typically used in electroplating, phosphatizing, galvanizing and general metal cleaning operations. For addition to a metal cleaning concentration, add PREVENTOL® D 7 at a level to ensure that the final use-dilution fluid will contain 425 – 1675 ppm product (6.25 – 25 ppm isothiazolone). For direct addition to a fouled system, add 3.6 – 14.0 pounds PREVENTOL® D 7 to each 1000 gallons of use-dilution metal cleaning fluid every three to four weeks to provide 425 – 1675 ppm product (6.25 – 25 ppm isothiazolone). PREVENTOL® D 7 should be dispensed into the use-dilution of the metal cleaning fluid using a metering pump or by manual pouring and uniformly disperse throughout the system.

**COMMERCIAL PHOTOPROCESSING SYSTEMS**

PREVENTOL® D 7 is recommended to prevent slime formation or accumulation in filters and ion exchange resin tanks of commercial photoprocessing systems.

For the maintenance of a non-fouled system, use PREVENTOL® D 7 at 2.21 – 4.2 pounds per 1000 gallon fluid in the system once weekly, or as needed to maintain control of slime. every eight weeks. For a noticeably fouled system, use an initial dose 4.2 – 10. pounds per 1000 gallon fluid to be followed by subsequent maintenance dosing. Increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. PREVENTOL® D 7 should be dispensed into the final rinse or used water collection tank for adequate distribution.

**PHOTOPLATE PROCESSING, FOUNTAIN SOLUTIONS AND INK COMPONENTS**

PREVENTOL® D 7 is recommended for the control of bacteria, fungi and microbial biofilms in photoplate processing chemicals, fountain solutions, and printing inks and ink components. PREVENTOL® D 7 should be added to achieve 0.1% to 0.3% (15 – 45 ppm active ingredient). For fountain solution, add PREVENTOL® D 7 at concentration levels to ensure that the final use-dilution of the product will contain 0.1% - 0.3% (15-45 ppm active ingredient). To insure uniform mixing, add PREVENTOL® D 7 to latex or solution slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required.

**METALWORKING FLUIDS**

PREVENTOL® D 7 is recommended for the control of bacteria, fungi and microbial biofilms in soluble and emulsifiable-type aqueous metalworking fluids. For maintenance of a non-fouled system, use PREVENTOL® D 7 at 32 fluid ounce per 1000 gallon of emulsion (2 pounds) every 4 weeks or 32-148 fluid ounces per 1000 gallon emulsion (2-10 pound) every 8-12 weeks. This corresponds to (3.84-17.5 ppm active ingredient). For a noticeably fouled system, use an initial dose of 64-148 fluid ounce per 1000 gallon emulsion (4-10 pounds) to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. This corresponds to (7.75-17.5 ppm active ingredient).

**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

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