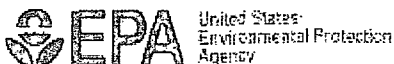


39967-93

3/28/2013

d/ll

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



Office of Pesticide Programs

MAR 28 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 January 9, 2013

The amendment, submitted in connection with registration under section 3©(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, to add additional use sites to the product label, is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3©(5) and sec. 4 uses when the Agency requires all registrants of similar products to submit such data.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the "accepted" product labeling is enclosed for your records. Submit two (2) copies of final printed labeling before you release the product for shipment.

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

Sincerely,

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

Enclosure

# PREVENTOL® D7

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, RECIRCULATING COOLING WATER SYSTEM, RECIRCULATING ELECTRODEPOSITION SYSTEMS, LIQUID HOUSEHOLD CONSUMER, INDUSTRIAL JANITORIAL PRODUCTS, PRESERVATIVE FOR AQUEOUS COMPOSITIONS, TEXTILE PROCESSING CHEMICALS, INDUSTRIAL PROCESS WATER SYSTEMS

## KEEP OUT OF REACH OF CHILDREN

### DANGER

#### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**DANGER. CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Ixers, loaders and others exposed to this product must wear: long leaved shirt and long pants; chemical resistant gloves such as nitrile or utyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. 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. User should wash hands before eating drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not discharge effluent containing this product to lakes, streams, ponds, estuaries, oceans, or public 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 appropriate local 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.

**IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300**  
**INTERNATIONAL 703-527-3887**  
 EPA Letter Dated: **MAR 28 2013**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. **39967-93**

PA Reg. No.: 39967-93

PA Est. No.:

Net Contents:

Lot No.:

# LANXESS

LANXESS Corporation

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

DRAFT 1/10/2013

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#### ACTIVE INGREDIENTS:

5-chloro-2-methyl-4-isothiazolin-3-one ..... 1.1%  
 2-Methyl-4-isothiazoline-3-one ..... 0.4%  
**INERT INGREDIENTS:** ..... 98.50%  
**TOTAL** ..... 100%

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply in a way that will contact workers or other persons. The amount necessary for desired protection varies, depending on exposure conditions. For further application information refer to the Product Bulletin.

## KEEP OUT OF REACH OF CHILDREN DANGER

#### 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. 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 mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have a 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 occur. Use of gastric lavage. Measures against respiratory shock, respiratory depression and convulsion may be needed.

Have the product container or label with you when calling a poison control center or doctor for treatment. You may also contact 1-800-410-3036 for emergency medical treatment information.

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

Preventol is a registered trademark of LANXESS Corporation

## STORAGE AND DISPOSAL

Keep container closed when not in use.

**PESTICIDE STORAGE:** Product should be stored in an area that is not subject to extreme temperatures; store in a cool, dry place. Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment. Do not apply this product in a way that will contact workers or other persons.

**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 environmental control agency, or the hazardous waste representative at the nearest regional office for guidance.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or reconditioning is appropriate. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

Mix well before using this product.

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# LANXESS

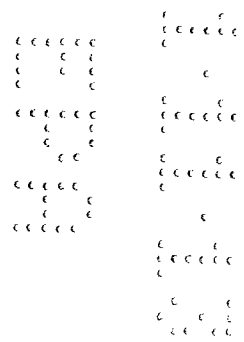
## Energizing Chemistry

Product Information

### PREVENTOL® D 7

EPA Registration Number 39967-93

CAS Number: 55965-84-9



ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR 28 2013

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

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PREVENTOL® D 7

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# PREVENTOL® 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, LIQUID HOUSEHOLD CONSUMER, INDUSTRIAL JANITORIAL PRODUCTS, SEMI-SOLID/SOLID HOUSEHOLD CONSUMER, INDUSTRIAL JANITORIAL PRODUCTS, PRESERVATIVE FOR AQUEOUS COMPOSITIONS, TEXTILE PROCESSING CHEMICALS, ULTRA FILTRATION UNITS AND MEDICAL/NON-POTABLE REVERSE OSMOSIS SYSTEMS, INDUSTRIAL WASTEWATER TREATMENT SYSTEMS AND SEWAGE SYSTEMS, INDUSTRIAL PROCESS WATER SYSTEMS, FUEL PRESERVATION

ACCEPTED  
WITH COMMENTS  
EPA Letter Dated:  
MAR 28 2013

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 39967-93

## 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.

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### LIQUID HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS

PREVENTOL® D 7 is added at a level of 0.4 to 1.5 pounds (180 – 680 grams) to each 1000 pounds (45306 kg) of product to be protected to provide 6 to 22.5 ppm of active isothiazolinones. For the control of bacteria and fungi in liquid soaps, liquid cleaners, liquid detergents, liquid laundry products, liquid dishwashing detergents, waxes, polishes, liquid fabric treatments/ refresher products, liquid air fresheners/deodorizers, car care products, and other similar cleaners.

### SEMI-SOLID/SOLID HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS

PREVENTOL® D 7 is added at a level of 0.4 to 1.5 pounds to each 1000 pounds of product to be protected to provide 6 to 22.5 ppm of active isothiazolinones. For the control of bacteria and fungi in semi-solid/solid detergents, semi-solid/solid laundry products, semi-solid/solid soaps, semi-solid/solid cleaners, semi-solid/sold fabric treatment/refresher products, semi-solid/solid air fresheners/deodorizers, car care products, and other similar cleaners.

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**PRESERVATIVE FOR AQUEOUS COMPOSITIONS**

PREVENTOL® D 7 is recommended as an in-container preservative for the control of bacteria and fungi in aqueous products such as aqueous emulsions and dispersions including stabilized oil/water emulsions, surface preparation compound, foam control products, nutrient solutions and pesticide formulations. Add 0.5 to 3.3 pounds (227g to 1.5kg) of PREVENTOL® D 7 to each 1000 pounds (454 kg) of aqueous product to provide 7ppm to 50ppm active isothiazolones.

**TEXTILE PROCESSING CHEMICALS**

PREVENTOL® D 7 is recommended for the control of bacteria and fungi in the manufacture and storage of textile processing chemicals such as fiber lubricants, spin finishes, sizes, dyestuff, textile printing inks, dispersants, thickeners, dye fixatives, hand builders and weighters. These textile processing chemicals are commonly used in the production of natural and synthetic fibers and fabrics. Add 0.4 – 1.67 pounds (181 – 757 grams) of PREVENTOL® D 7 to each 1000 pounds of fluid to provide 400 – 1667 ppm product (6 -25 ppm active isothiazolone)

**PAINTS AND COATINGS**

PREVENTOL® 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® D 7 to each 1000 pounds of fluid to provide 425 to 1,675 ppm product (6.25 - 25 ppm active isothiazolones).

**ULTRA FILTRATION UNITS AND NON-MEDICAL/NON-POTABLE REVERSE OSMOSIS SYSTEM**

PREVENTOL® D 7 is recommended for the control of microbial biofilms, bacteria and fungi in ultra filtration units and non-medical/non-portable reverse osmosis systems. Use PREVENTOL® D 7 in potable water or dialysis is prohibited. Add 10 – 333 ppm of PREVENTOL® D 7 (0.15 – 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous or periodic injection. Compatibility of PREVENTOL® D 7 with reverse osmosis membranes should be confirmed with membrane manufacturers.

For the control of bacteria and fungi in carbon beds, add 10 – 333 ppm of PREVENTOL® D 7 (0.15 – 5 ppm active ingredient) by either continuous or batch feed.

For periodic membrane cleaning, add 0.4 – 1.0 lbs of PREVENTOL® D 7 to every 120 gallon of cleaning solution (6-15ppm active ingredient)

Badly fouled systems should be cleaned before treatment is begun

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

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**PIGMENT AND MINERAL SLURRIES**

PREVENTOL® 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® 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® 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 of 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.

**INDUSTRIAL RECIRCULATING PROCESS WATER SYSTEMS**

For the control of microbial biofilms, bacteria, algae and fungi, add PREVENTOL® D 7 to: **Industrial process water systems, industrial recirculating closed loop water cooling systems, retort water systems, industrial scrubbing systems, evaporative condenser water systems, hydrostatic sterilizer water systems, air conditioner/refrigeration**

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39967-93

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condensate water systems, coal slurry systems, immersion ultrasonic tank water, laboratory equipment water baths and influent water filtration systems Add

PREVENTOL® D 7 at some point in the system to ensure uniform mixing

**INITIAL DOSE:** When the system is noticeable fouled, apply 148 – 883 ppm PREVENTOL® D 7 (1.26 – 7.46 pound or 19 – 113 fluid ounces of PREVENTOL® D 7 per 1000 gallon of water in the system). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.

**SUBSEQUENT DOSE:** When microbial control is evident, add 35 – 219 ppm PREVENTOL® D 7 (0.3 – 1.86 pound or 4.5 – 28 fluid ounces of PREVENTOL® D 7 per 1000 gallon of water in the system) weekly or as needed to maintain control

**INDUSTRIAL WASTEWATER TREATMENT SYSTEMS AND SEWAGE SYSTEMS**

PREVENTOL® D 7 is recommended for the control of microbial biofilms, bacteris, fungi and algae in industrial wastewater treatment and sewage systems. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority

**INITIAL DOSE:** When the system is noticeable fouled, apply 148 – 883 ppm PREVENTOL® D 7 (1.26 – 7.46 pound or 19 – 113 fluid ounces of PREVENTOL® D 7 per 1000 gallon of water in the system). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.

**SUBSEQUENT DOSE:** When microbial control is evident, add 35 – 219 ppm PREVENTOL® D 7 (0.3 – 1.86 pound or 4.5 – 28 fluid ounces of PREVENTOL® D 7 per 1000 gallon of water in the system) or as needed to maintain control.

**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

ACCEPTED  
with COMMENTS  
EPA Letter Dated  
MAR 28 2013  
Under the Fungicide, Herbicide, and Insecticide Amendments to the pesticide, registered under EPA Reg. No. 39967-93

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.

**FUEL PRESERVATION**

PREVENTOL® D 7 is recommended for the control of bacteria and fungi in liquid hydrocarbon fuels such as: aviation fuels, kerosene, heating oil, diesel fuels and residual fuel oils, crude oil, coal slurries, liquefied petroleum gases, and petrochemical feedstock. PREVENTOL® D 7 should be directly dispensed into a fuel tank, storage tank, or flowing stream of fuel in a manner to ensure uniform distribution of the preservative in the fuel system. Slug dose or continuous feed methods are recommended.

**DOSAGE:** When microbial contamination is detected, add PREVENTOL® D 7 in order to achieve and maintain a final system concentration of 100 – 400 ppm (v/v) volume to volume.

- Add 1 - 4 ounces of PREVENTOL® D 7 for every 78.13 gallons of fluid
- Add 1- 4 pints of PREVENTOL® D 7 for every 1250 gallons of fluid
- Add 1 – 4 quarts of PREVENTOL® D 7 for every 2500 gallons of fluid
- Add 1 – 4 ½ gallons of PREVENTOL® D 7 for every 5000 gallons of fluid
- Add 1 – 4 gallons of PREVENTOL® D 7 for every 10,000 gallons of fluid
- Add 1 – 4 five (5) gallon pails of PREVENTOL® D 7 for every 50,000 gallons of fluids
- Add 1 – 4 thirty (30) gallon drums of PREVENTOL® D 7 for every 300,000 gallons of fluids
- Add 1 – 4 IBC container (287.4 gallons per container) of PREVENTOL® D 7 for every 2,874,000 gallons of fluid

FOR USE IN AVIATION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

**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.

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 39967-93



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**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.

**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.

**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).

**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, phosphating, 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.

ACCEPTED  
with COMMENTS  
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39967-93

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**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.

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**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).

PREVENTOL® D7 may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.04% to 0.15% PREVENTOL® D7.

**ACCEPTED**  
**with COMMENTS**  
**EPA Letter Dated:**  
**MAR 28 2013**

**REMARKS**

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

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
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**39967-93**

