

Preventol[®] D7 CF

Commercial Microbiocide

Solution

A microbiocide for controlling bacteria, fungal in paints and coatings, pigment and mineral slurries, adhesives and tackifiers, building materials, household consumer, industrial, janitorial products, metalworking fluids, process water systems, polymer latices, inks and fountain solutions, recirculating electrodeposition systems, and pesticide products

ACTIVE INGREDIENTS:

5-chloro-2-methyl-4-isothiazolin-3-one	1.1%
2-methyl-4-isothiazolin-3-one	0.4%

Registration Number 32298 Pest Control Products Act

KEEP OUT OF REACH OF CHILDREN
READ THE LABEL BEFORE USE

WARNING



CORROSIVE
POTENTIAL SKIN SENSITIZER
DO NOT USE IN POTABLE WATER SYSTEMS

Net Contents: 10 - 1200 kg

LANXESS Corporation
111 RIDC Park West Drive, Pittsburgh PA 15275-1112
1-800-LANXESS

EMERGENCY TELEPHONE NUMBERS

TRANSPORTATION EMERGENCIES ONLY:

CANUTEC (Canada): 1-613-996-6666
CHEMTREC: 1-800-424-9300 (USA); 1-703-527-3887 (International)

ALL OTHER EMERGENCIES:

LANXESS: 1-800-410-3063 (USA); 1-866-673-6350 (Canada)

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. DANGER. CORROSIVE. CAUSES EYE DAMAGE AND SKIN BURNS. POTENTIAL SKIN SENSITIZER. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED. MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. Do not get in eyes, on skin, or on clothing. Do not swallow. Avoid breathing vapours and spray mists. Wash skin thoroughly with soap and water after handling. Remove contaminated clothing immediately, wash skin thoroughly with soap and water, and put on clean clothing. Wash contaminated clothing separately from other laundry before reuse. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product. Users should remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment. If no such instructions for washables exist, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry. Wear long pants, a long-sleeved shirt, chemical-resistant gloves, a full face NIOSH-approved respirator and a chemical-resistant apron during mixing/loading, clean up, and repair.

FIRST AID:

IF SWALLOWED: Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

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 centre 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 centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

MATERIAL IS CORROSIVE. It may not be advisable to induce vomiting. Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock and convulsions may be necessary.

ENVIRONMENTAL PRECAUTIONS:

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product. Do not contaminate water by cleaning of equipment or disposal of waste.

STORAGE:

This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal, or cleaning of equipment.

DISPOSAL:

1. Triple-or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

FOR RETURNABLE CONTAINERS:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer). For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for the clean-up of spills.

DIRECTIONS FOR USE:

This product is recommended for the control of bacteria in polymer lattices including acrylic, styrene/butadiene, carboxylates of styrene/butadiene, ethylene/vinyl acetate and polyvinyl acetate and starch-based emulsions.

PAINTS AND COATINGS:

Add 0.43 - 3.35 kg of PREVENTOL[®] D7 CF to each 1000 kg of fluid to provide 425 to 3350 ppm of product (6.25 - 50 ppm active isothiazolones).

PIGMENT AND MINERAL SLURRIES:

Add 0.43 - 3.35 kg of PREVENTOL[®] D7 CF to each 1000 kg of fluid to provide 425 to 3350 ppm of product (6.25 - 50 ppm active isothiazolones).

ADHESIVES AND TACKIFIERS:

Add 0.430 - 3.35 kg of PREVENTOL[®] D7 CF to each 1000 kg of fluid to provide 425 to 3350 ppm of product (6.25 - 50 ppm active isothiazolones).

BUILDING MATERIALS (including Mastics, joint cements, caulks and concrete admixtures):

Add 0.43 - 3.35 kg of PREVENTOL[®] D7 CF to each 1000 kg of building material to provide 425 to 3350 ppm of product (6.25 - 50 ppm active isothiazolones).

INK COMPONENTS:

Add 0.43 - 2.66 kg of PREVENTOL[®] D7 CF to each 1000 kg of fluid to provide 425 to 2660 ppm of product (6.25 - 40 ppm active isothiazolones).

HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS:

1. All-purpose cleaners, polishes, anti-tarnish products, solid air fresheners, carpet cleaners and pre-soak solutions.

This product is recommended as an in-container preservative for the control of bacteria and fungi in industrial and household consumer products including all-purpose cleaners, polishes and anti-tarnish products, solid air freshener, carpet shampoos and pre-spotters.

PREVENTOL[®] D7 CF is added at a level of 181 - 680 grams to each 453.6 kg of product to be protected to provide 6 to 22.5 ppm of active isothiazolones.

2. Liquid dishwashing detergents, automotive detailing products (cleansers, waxes and polishes) and liquid laundry products.

This product is recommended for the control of bacteria and fungi in liquid dishwashing detergents, automotive appearance products such as cleaners, wax and polishes and liquid laundry products.

PREVENTOL[®] D7 CF is added at a level of 181 - 454 grams to each 453.6kg of product to be protected to provide 6 to 15 ppm of active isothiazolones.

PRESERVATIVE FOR METALWORKING FLUIDS AND CONVEYOR LUBRICANTS:

For non-food plant industrial use only.

PREVENTOL[®] D7 CF is recommended for the control of bacteria and fungi in soluble and emulsifiable type aqueous metalworking fluids, such as emulsified petroleum oils, and formulations containing alcoholic fatty acid, sulfonated red oil, or naphthalene sulfonate and water-based conveyor lubricants. These fluids are usually prepared by diluting the product concentrates 1:50 with water.

Metal Working Fluids: For the maintenance of a non-fouled system, use the diluted PREVENTOL[®] D7 CF at 22 ml per 100 L of emulsion every 4 weeks, or 22-50 ml per 100 L of emulsion every 8-12 weeks. For a noticeably fouled system use initial dose of 43-50 ml per 100 L of emulsion to be followed by subsequent dosages depending upon the treatment interval noted above. The higher dosage range or increased frequency of treatment may be required depending on rate of dilution of the preservative with makeup fluid, the nature of severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispensed into the use-dilution of the metalworking fluid by a metering pump and uniformly dispersed throughout the system.

Conveyor Lubricant: These fluids are prepared by diluting the product concentrated 1:50 to 1:400 with water. The concentration of PREVENTOL[®] D7 CF added to ensure final use dilution will contain 200-1000 ppm of PREVENTOL[®] D7 CF. Grossly contaminated systems must be cleared before treatment is begun. For initial dose in a notably fouled system meter 1 L of PREVENTOL[®] D7 CF per 1000 L of use dilution conveyor lubricant. If necessary, continue metering 400 ml to 1 L of PREVENTOL[®] D7 CF per 1000 L of conveyor lubricant until control is achieved and maintain the final use dilution at 400 – 1000 ppm. After establishing microbial control or to prevent fouling of a clean system, maintain PREVENTOL[®] D7 CF at 3-15 ppm active ingredient by metering 200 ml to 1 L per 1000 L of conveyor lubricant. Avoid contamination of food in the application and storage of the product.

PROCESS WATER SYSTEMS:

PULP & PAPER: PREVENTOL[®] D7 CF is recommended for the control of bacterial and fungal slime in the production of paper.

POINT OF ADDITION: PREVENTOL® D7 CF should be added at a point in the system to insure uniform mixing such as the Beater, Hydropulper Fan or Broke Storage Pump.

DOSAGE: Apply 0.3 to 1.1 kgs of PREVENTOL® D7 CF as supplied per tonne (dry basis) of pulp or paper produced, as a slug dose. If needed repeat daily.

Badly fouled systems should be cleaned before initial treatment.

COOLING TOWERS: PREVENTOL® D7 CF is recommended for the removal of slime from fouled towers, add 0.33 to 8.67 kg of PREVENTOL® D7 CF as supplied per 10 tonnes of water in the system (equivalent to about 0.5 to 13 ppm active ingredient). This dosage should be repeated 2 to 3 times per week until fouling has been reduced to an acceptable level thus establishing microbial control.

POINT OF ADDITION: PREVENTOL® D7 CF should be added to the basin to the distribution boxes, or at any other point where it will be rapidly and uniformly dispersed throughout the system.

AIR WASHER SYSTEMS: Add to the air washer sump or chill water sump to ensure uniform mixing, 4.20 to 16.43 kgs of PREVENTOL® D7 CF (equivalent to 6.3 to 24.6 ppm of active ingredient) per 10,000 litres of water in the system, depending on the severity of contamination to control bacteria, fungi and algae which cause fouling in industrial air washer systems.

INTERMITTENT OR SLUG METHOD:

INITIAL DOSE: When the system is noticeably fouled, apply 1.51 to 8.95 kg of PREVENTOL® D7 CF (equivalent to 2.22 to 13.4 ppm of active ingredient) per 10,000 litres of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.36 to 2.23 kg of PREVENTOL® D7 CF (equivalent to 0.53 to 3.29 ppm of active ingredient) per 10,000 litres of water weekly or as needed to maintain control.

CONTINUOUS FEED METHOD:

INITIAL DOSE: When the system is just noticeably fouled, apply 1.51 to 8.95 kg of PREVENTOL® D7 CF (equivalent to 2.22 to 13.4 ppm of active ingredient) per 10,000 litres of water in the system.

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 0.36 to 2.23 kg of PREVENTOL® D7 CF (equivalent to 0.53 to 3.29 ppm of active ingredient) per 10,000 litres of MAKEUP WATER.

Badly fouled systems must be cleaned before initial treatment. (Note: For use only in industrial air washing systems that maintain effective mist eliminating components.)

OIL FIELD INJECTION WATERS: For the control of slime-forming bacteria and sulphate-reducing (sulphide-forming) bacteria in oil field injection waters, slug treat with 70 to 360 ppm of PREVENTOL® D7 CF as supplied in accordance with the severity of bacterial contamination.

DOSAGE: Apply 180-360 ppm of PREVENTOL® D7 CF as supplied (17.8 to 35.6 litres per 100 tonnes of water) at any point from which the material mixes uniformly throughout the system.

Repeat the treatment after 3 days or as needed to achieve control. After achieving control, apply 70- 180 ppm of PREVENTOL® D7 CF as supplied (7.1 to 17.8 litres per 100 tonnes of water) every seven days or as needed to maintain control.

POLYMER LATEX EMULSIONS:

Add 430 grams to 2.7 kg of PREVENTOL® D7 CF to each 1000 kg of emulsion to provide 6.5 to 40 ppm active isothiazolones.

INKS AND FOUNTAIN SOLUTIONS:

Add 400 – 1670 g of PREVENTOL® D7 CF to each 1000 kg of fluid to provide 400 to 1670 ppm

product.

RECIRCULATING ELECTRODEPOSITION SYSTEMS:

Initial Dose:

When the system is noticeably fouled, add 66.7 to 233.3 ppm of PREVENTOL[®] D7 CF (6.7 to 23.3 Litres) per 10,000 Litres of fluid in the system.

Subsequent Dose:

When microbial control is evident, add 33.3 to 100 ppm of PREVENTOL[®] D7 CF (3.3 to 10 Litres) per 10,000 Litres of fluid in the system weekly or as needed to maintain the system.

PRESERVATIVE FOR PESTICIDE PRODUCTS:

PREVENTOL[®] D7 CF is recommended for the control of bacteria and fungi in pesticide products. Add 400 grams to 3.04 kg PREVENTOL[®] D7 CF to each 1000 kg of product to be treated to provide 6 to 45 ppm active isothiazolones.

For all labelled uses, to ensure uniform distribution slowly disperse this product into product with agitation. Mix thoroughly until evenly dispersed throughout the product. The actual concentration required will depend upon such factors as the specific latex, frequency of repeated microbial contamination expected, and level of protection required.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.