

2023-5488
2023-10-17

LANXESS Corporation

PREVENTOL® D 7 LT

COMMERCIAL

SOLUTION

Material Preservative
Slimicide

An Industrial Microbiocide for use in polymer latices, paints, coatings, inks, adhesives, building materials (caulks and sealants), printing fluids, industrial and household consumer products, metalworking fluids, recirculating electrodeposition systems, process water and pesticide products.

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one 1.16%
2-Methyl-4-isothiazolin-3-one 0.34%

REGISTRATION NO. **34502** PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN
READ THE LABEL BEFORE USING

DANGER
CORROSIVE TO EYES AND SKIN
POTENTIAL SKIN SENSITIZER

NET CONTENTS: 1 L – 1200 L

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)

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

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Potential skin sensitizer. Do not get in eyes, on skin, or on clothing. Do not swallow. Avoid breathing vapors and spray mists. Corrosive to eyes and skin.

Wash skin thoroughly with soap and water after handling. Remove contaminated clothing and wash separately from other laundry before reuse. Avoid contamination of food. Wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a full-face respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides, during mixing, loading, application, clean-up and repair.

ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms.

FIRST AID

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 by mouth to an unconscious person.

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.

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

TOXICOLOGICAL INFORMATION

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be required.

STORAGE

Store this product away from food or feed. Open dumping is prohibited. If plastic, make empty container unsuitable for further use. This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

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.

RETURNABLE BULK CONTAINERS

Do not reuse this container for any purpose. For disposal this empty container may be returned to the point of purchase (distributor/ dealer). Close all valves prior to return.

PREVENTOL® D 7 LT is recommended as an antimicrobial preservative for polymer latex emulsions and materials to control and then prevent the formation of slime.

DIRECTIONS FOR USE

This registration is granted under the *Pest Control Products Act* and does not exempt the user from any other legislative requirements. Use of this product and management of any resulting discharge or release of any effluents or runoff containing this product must also be in accordance with the *Fisheries Act* and with any other applicable federal or provincial legislation. Consult with provincial regulatory authorities on any authorizations or other requirements for use of this product and management of any resulting discharge or release of effluents containing this product.

PAINTS AND COATINGS

PREVENTOL® D 7 LT is recommended for the control of bacteria and fungi in water-based coatings, dispersed pigments and aqueous paints used for architectural purposes.

Add 430 grams to 1.65 kg of PREVENTOL® D 7 LT to each 1000 kg of emulsion to provide 6.5 to 25 ppm active isothiazolone ingredients. A higher dosage rate of up to 2.7 kg per 1000 kg, providing up to 40 ppm active ingredients, may be required for storage during extremely high temperatures and humidity.

ADHESIVES, INKS, AND BUILDING MATERIALS

PREVENTOL® D 7 LT is also recommended as an in-container preservative in industrial products – mastics, caulks, joint cements, concrete additives, inks, slurries.

Add 430 grams to 2.7 kg of PREVENTOL® D 7 LT to each 1000 kg of product to provide 6.5 to 40 ppm active isothiazolones.

LATICES:

PREVENTOL® D 7 LT is recommended for the control of bacteria in the manufacture and storage of synthetic and natural polymer latices - acrylics, styrene/butadiene, carboxylated styrene/butadiene, ethylene/vinyl acetate, starches, derived polymers.

Add 430 grams to 2.7 kg of PREVENTOL® D 7 LT to each 1000 kg of emulsion to provide 6.5 to 40 ppm active isothiazolones.

NOTE: The actual concentration of PREVENTOL® D 7 LT required will depend upon such factors as specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required. To ensure uniform mixing and in order to prevent localized shock to latex materials, add the PREVENTOL® D 7 LT slowly to the formulation with agitation as early as possible during the production process.

PRINTING FLUIDS

PREVENTOL® D 7 LT is recommended for the control of bacteria and fungi in aqueous printing inks such as flexographic, gravure, screen and ink jet printing inks. Add 400 g – 1670 g of PREVENTOL® D 7 LT to each 1000 kg of fluid to provide 400 to 1670 ppm product.

PREVENTOL® D 7 LT is recommended for the control of bacteria and fungi in the manufacture and storage of printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners. Add 400 g – 1670 g of PREVENTOL® D 7 LT to each 1000 kg of fluid to provide 400 to 1670 ppm product.

PREVENTOL® D 7 LT is recommended for the control of bacteria and fungi in fountain solutions used for printing operations. PREVENTOL® D 7 LT should only be used in those fountain solution concentrates which are automatically diluted prior to use. PREVENTOL® D 7 LT is also recommended as a preservative for photo processing chemicals such as stabilizer solutions. PREVENTOL® D 7 LT is added to the fountain solution concentrate or processing chemical concentrate at a level to ensure that the final use dilution fluid will contain between 400 – 1670 ppm product.

HOUSEHOLD AND CONSUMER PRODUCTS

PREVENTOL® D 7 LT is recommended as an in-container preservative for the control of bacteria and fungi in industrial and household consumer products in all-purpose cleaners, polishes and anti-tarnish products, solid air fresheners, carpet shampoos and pre-spotters. Add 377 grams to 1.5 kg of PREVENTOL® D 7 LT to each 1000 kg of product to be treated.

PREVENTOL® D 7 LT 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. Add 377 grams to 1.0 kg of PREVENTOL® D 7 LT to each 1000 kg of product to be treated. To insure uniform distribution, slowly disperse PREVENTOL® D 7 LT into product with agitation. Mix thoroughly until evenly dispersed throughout the product.

PREVENTOL® D 7 LT is recommended for the control of bacteria and fungi in packaged premoistened sponges and mops. Add 377 grams to 1.5 kg of PREVENTOL® D 7 LT to each 1000 kg of water used to premoisten sponges and mops.

METAL WORKING FLUIDS AND CONVEYOR LUBRICANTS

For non-food plant industrial use only.

PREVENTOL® D 7 LT 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® D 7 LT 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® D 7 LT added to ensure final use dilution will contain 200-1000 ppm of PREVENTOL® D 7 LT.

Grossly contaminated systems must be cleared before treatment is begun. For initial dose in a notably fouled system meter 1 L of PREVENTOL® D 7 LT per 1000 L of use dilution conveyor lubricant. If necessary, continue metering 400 ml to 1 L of PREVENTOL® D 7 LT 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® D 7 LT 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.

RECIRCULATING ELECTRODEPOSITION SYSTEMS

PREVENTOL® D 7 LT is recommended for the control of bacteria, fungi and algae in recirculating electrodeposition systems and associated rinse systems. PREVENTOL® D 7 LT should be dispensed into the circulating rinse system, ultrafilter permeate or final distilled water rinse at a point to ensure uniform mixing.

Initial Dose: When the system is noticeably fouled, add 66.7 to 233.3 ppm of PREVENTOL® D 7 LT (6.7 to 23.3 Liters) per 10,000 Liters of fluid in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 33.3 to 100 ppm of PREVENTOL® D 7 LT (3.3 to 10 Litres) per 10,000 Litres of fluid in the system weekly or as needed to maintain the system. A change of frequency of treatment may be required depending upon the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. Badly fouled systems must be cleaned before treatment is begun.

PROCESS WATER SYSTEMS

Pulp & Paper (non-food contact paper)

PREVENTOL® D 7 LT is recommended for the control of bacterial and fungal slime in the production of non-food contact paper. PREVENTOL® D 7 LT should be added at a point in the system to insure uniform mixing such as the Beater, Hydropulper Fan or Broke Storage Pump.

Add 0.3 to 1.1 kg of PREVENTOL® D 7 LT as supplied per ton (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® D 7 LT is recommended for the removal of slime from fouled towers, add 0.33 to 8.67 kg of PREVENTOL® D 7 LT as supplied per 10 tons of water in the system. This dosage should be repeated 2 to 3 times per week until fouling has been reduced to an acceptable level this establishing microbial control. PREVENTOL® D 7 LT 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 insure uniform mixing. Add 4.20 to 16.43 kg of PREVENTOL® D 7 LT per 10,000 liters 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. Badly fouled systems must be cleaned before initial treatment. For use only in industrial air washing systems that maintain effective mist eliminating components.

Intermittent or slug method:

Initial Dose: When the system is noticeably fouled, add 1.51 to 8.95 kg of PREVENTOL® D 7 LT per 10,000 liters 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® D 7 LT per 10,000 liters of water weekly or as needed to maintain control.

Continuous Feed Method:

Initial Dose: When the system is just noticeably fouled, add 1.51 to 8.95 kg of PREVENTOL® D 7 LT per 10,000 liters 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® D 7 LT per 10,000 liters of makeup water.

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® D 7 LT as supplied in accordance with the severity of bacterial contamination.

Add 180-360 ppm of PREVENTOL® D 7 LT as supplied (17.8 to 35.6 liters per 100 tons 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, add 70 – 180 ppm of PREVENTOL® D 7 LT as supplied (7.1 to 17.8 liters per 100 tons of water) every seven days or as needed to maintain control.

PESTICIDE PRODUCTS

PREVENTOL® D 7 LT is recommended for the control of bacteria and fungi in pesticide products. Add 400 grams to 3.04 kg PREVENTOL® D 7 LT to each 1000 kg of product to be treated to provide 6 to 45 ppm active isothiazolones.

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.