

39967-22

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

MAR 14 2010

OFFICE OF  
PREVENTION, PESTICID  
AND TOXIC SUBSTANCE

Luanne Jeram  
**Lanxess Corporation**  
111 RIDG Park West Drive  
Pittsburgh, PA 15275-1112

Subject: **Preventol CMK-Na Preservative**  
EPA Registration No. 39967-22  
Application Date: March 11, 2010  
Receipt Date: March 15, 2010

Dear Ms. Jeram:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted.

**Proposed Amendment:**

- Update label as per PR Notice 2007-4.

**Conditions:**

Revise the Technical Bulletin Directions to be in compliance with PRN 2005-1, Guidance for Mandatory and Advisory Labeling Statements, which states that:

**Mandatory statements**, which commonly use imperative verbs such as "must" or "shall", either require action or prohibit the user from taking certain action. **Advisory statements** generally provide information, either in support of the mandatory statements or about the product in general. *To ensure that the intent of each labeling statement is clear, mandatory statements need to be clearly distinguishable for advisory statements.*

Therefore, you must replace the word "should" with "must" under the Directions for Use heading whenever it appears under that section.

**General Comment:**

Should you have any questions or comments concerning this letter, you may contact me by telephone at (703) 308-6416 or by e-mail at [campbell-mcfarlane.jacqueline@epa.gov](mailto:campbell-mcfarlane.jacqueline@epa.gov) or Stacey Grigsby by telephone at (703) 305-6440 or by e-mail at [grigsby.stacey@epa.gov](mailto:grigsby.stacey@epa.gov) during the hours of 8:00am to 4:00pm EST. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,

CONCURRENCES

Jacqueline McFarlane  
(Acting) Product Manager (34)  
Regulatory Management Branch  
Antimicrobials Division (7510P)

SYMBOL					
SURNAME					
DATE					

# Preventol<sup>®</sup> CMK-Na Preservative

FOR USE IN THE MANUFACTURE OF ADHESIVES AND GLUES, POLYMER DISPERSIONS AND EMULSIONS, LEATHER, LUBRICOLANTS AND MINERAL OIL BASED PRODUCTS, MATERIALS IN THE PRINTING INDUSTRY, MATERIALS IN THE BUILDING INDUSTRY (E.G., CONCRETE ADDITIVES, JOINT CEMENTS), PAINT AND COATINGS, MATERIALS IN THE OIL INDUSTRY, PIGMENT SLURRIES (KAOLIN, CALCIUM CARBONATE, AND OTHERS), POLISHES, WAXES, PROTEIN SOLUTIONS, CERAMIC GLAZES, FIRE EXTINGUISHING MATERIALS, CLEANING SOLUTIONS AND DETERGENTS.

ACTIVE INGREDIENT: Sodium <i>p</i> -chloro- <i>m</i> -cresolate -----	71.0%
INERT INGREDIENTS -----	29.0%
TOTAL -----	100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER! CORROSIVE:** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Harmful if swallowed or absorbed through the skin. Wear goggles or face shield, protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Avoid breathing dust, vapor or spray mist.

#### 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. Call a poison control center or doctor for 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.

**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.

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

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300

EPA REGISTRATION NUMBER: 39967-22

EPA ESTABLISHMENT NUMBER:

# LANXESS

LANXESS Corporation

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

LABEL TEXT DATE: 3/11/2010

### DIRECTIONS FOR USE

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

Detailed information on physical and chemical properties and other detailed directions for use can be found in the Preventol CMK-Na Preservative Technical Information Sheet. Obtain and read this information before undertaking the use of Preventol CMK-Na Preservative in order to avoid process mistakes.

### STORAGE AND DISPOSAL

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

Protect products from exposure to light and moisture.

**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 the 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:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed above.

\* Preventol is a registered trademark of LANXESS Corporation

INTERNATIONAL 703-527-3887

Net Contents:

Lot No.:

NOTIFICATION  
Date Reviewed: 4/14/10  
Reviewed By: [Signature]

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# LANXESS

Energizing Chemistry

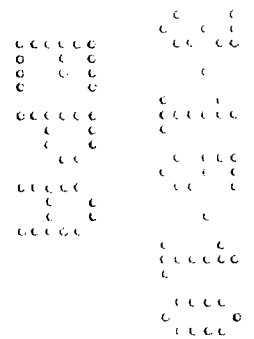
DIRECTIONS FOR USE

PREVENTOL<sup>®</sup> CMK Preservative

EPA Registration Number: 39967-12

CAS# 59-50-7

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# PREVENTOL<sup>®</sup> CMK Preservative

FOR THE PRESERVATION OF ADHESIVES, GLUES, JOINT CEMENTS, POLYMER DISPERSIONS AND EMULSIONS, METALWORKING/CUTTING FLUIDS, DYES, INDUSTRIAL LUBRICANTS, PIGMENTS AND FILLER SUSPENSIONS, MATERIALS IN THE BUILDING INDUSTRY, PAINT AND COATINGS, PAPER, TEXTILE, PHOTO, OIL INDUSTRIES, AND LEATHER AT ALL STAGES OF PRODUCTION.

**PREVENTOL CMK Preservative** is a high purity chemical suggested as a preservative against bacteria, mold fungi and yeast deterioration for industrial water based compositions, such as adhesives, joint cements, and latex emulsions to impart package stability, leather at all stages of production and metalworking fluids and cutting oils. The shelf life of the unopened package is a minimum of twelve (12) months. After opening the package the duration of the effectiveness should be maintained for the useful service life of the product.

## DETAILED DIRECTIONS FOR USE:

THE EXACT CONCENTRATION OF LANXESS PREVENTOL CMK PRESERVATIVE REQUIRED WILL VARY WITH THE COMPOSITION TO BE PROTECTED. TO REACH OPTIMUM EFFECTIVENESS, FIELD TESTING SHOULD BE CONDUCTED, IN ADDITION TO CONTACTING YOUR LANXESS REPRESENTATIVE. MICROBIOLOGICAL ASSAY CAN DETERMINE THE LEVEL REQUIRED FOR YOUR PARTICULAR APPLICATION/USE.

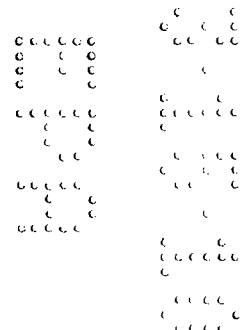
Recommended use: The following recommended doses of PREVENTOL CMK Preservative must be used to provide preservative efficiency:

ADHESIVES AND GLUES:	EFFECTIVE CONCENTRATION
Bone glues	0.10 - 0.15%
Skin glues	0.15 - 0.25%
Fish glues	0.15 - 0.25%
Leather glues	0.15 - 0.25%
Gelatin based glues	0.10 - 0.20%
Casein containing adhesives	0.20 - 0.30%
Other animal glues	0.10 - 0.25%
Starch based glues (liquid)	0.10 - 0.15%
Starch based glues (solid)	0.20 - 1.00%
Dextrin adhesives	0.05 - 0.10%
Hydroxyethyl cellulose adhesives	0.05 - 0.10%
Methyl cellulose adhesives	0.05 - 0.10%
Other plant based adhesives	0.05 - 0.25%
Polyvinyl acetate adhesives	0.05 - 0.25%
Polyvinyl alcohol adhesives	0.05 - 0.25%
Acrylic adhesives	0.05 - 0.25%
Styrene butadiene (SBR latex) adhesives	0.05 - 0.25%
Other adhesive emulsions	0.05 - 0.25%
Gumarabic and similar gums	0.10 - 0.15%
Rosin paper sizes	0.10 - 0.25%

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The weight of PREVENTOL CMK Preservative to be used is based on the total weight of the adhesive formulation. The preservative should be incorporated into the adhesive formulation just following the initial addition of water. The adhesive formulation should be stirred to ensure homogeneous distribution.

In many cases, PREVENTOL CMK Preservative is best pre-dissolved in suitable solvent systems such as ethanol or 1,2-propanediol, or by preparation of the preservative in an aqueous caustic soda stock solution to be added to the glues and adhesives to be preserved. In the production of dry glues, PREVENTOL CMK Preservative should be added toward the end of thickening in order to minimize any losses of active substance. A 30% by weight stock solution of PREVENTOL CMK Preservative is prepared as follows: 1.85 liters of water and 0.5 kg of 50% caustic soda solution are added to 1 kg of PREVENTOL CMK Preservative and mixed until homogeneous. The dissolving process can be accelerated by gentle heating. Independent of the method chosen, the preservative must be evenly distributed throughout the adhesive or glue to be preserved in order to achieve satisfactory results.

**JOINT CEMENTS:**

**EFFECTIVE CONCENTRATION**

Vinyl latex based	0.075 - 0.20%
Protein based	0.075 - 0.20%
Other joint cement materials	0.075 - 0.20%

The weight of PREVENTOL CMK Preservative to be used is based on the total weight of the joint cement formulation. The preservative should be incorporated into the joint cement formulation just following the initial addition of water or other liquid components sufficient to disperse the preservative. To ensure homogeneous distribution, good stirring is recommended.

**POLYMER DISPERSIONS:  
AND EMULSIONS**

**EFFECTIVE CONCENTRATION**

Acrylic	0.05 - 0.20%
Polyvinylacetate (PVA)	0.05 - 0.20%
Vinyl/Acrylic	0.05 - 0.20%
Styrene Butadiene (SBR Latex)	0.05 - 0.20%
Other Polymer emulsions	0.05 - 0.20%

PREVENTOL CMK Preservative should be added immediately after the preparation of the polymer dispersion or emulsion during the cooling process. Losses of active ingredient caused by elevated temperatures should be taken into account and avoided by suitable measures. For quick homogeneous distribution, PREVENTOL CMK Preservative should be dissolved in suitable solvents such as ethanol, or 1,2-propanediol, or, alternatively by preparation of water dilutable alkaline solutions. These pre-dissolved solutions are then added to the polymer dispersions or emulsions.

**LEATHER:**

**EFFECTIVE CONCENTRATION**

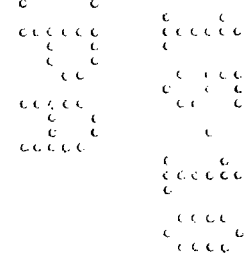
Pickle solutions and pickled hides	0.15 - 0.25%
Chrome leather (calculated on pelt weight)	0.10 - 0.20%
Leather pasting adhesives	0.05 - 0.10%
Leather pigment finishes	0.20 - 0.40%

PREVENTOL CMK Preservative may be dissolved in five times the amount of alcohol and then stirred into pickle solutions. In the case of chrome leather, an effective protection against mold attack may be obtained without additional labor by stirring PREVENTOL CMK Preservative

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together with soda into the basifying solution, since PREVENTOL CMK Preservative dissolves freely in the alkaline solution.

The oil-soluble PREVENTOL CMK Preservative can also be dissolved in the fat liquor and applied in the drum simultaneously. Finished vegetable-tanned leathers and chrome leathers may also be protected against mold attack by a treatment on both sides of the material with an 0.2-0.4% solution of PREVENTOL CMK Preservative.

**LUBRICOOLANTS AND MINERAL OIL BASED PRODUCTS: EFFECTIVE CONCENTRATION**

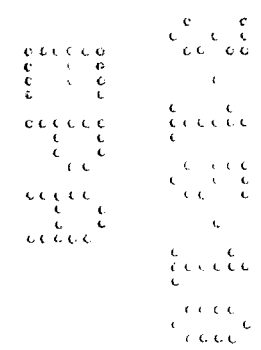
<b>Straight oils (Mineral-oil based)</b>	
(concentrates)	1.00 - 3.00%
(ready for use)	0.05 - 0.20%
<b>Soluble oils (oil emulsions, aqueous)</b>	
(concentrates)	1.00 - 6.00%
(ready for use)	0.05 - 0.30%
<b>Semi-synthetic (emulsions, aqueous)</b>	
(concentrates)	1.00 - 6.00%
(ready for use)	0.05 - 0.30%
<b>Synthetic (solutions)</b>	
(concentrates)	1.00 - 6.00%
(ready for use)	0.05 - 0.30%

PREVENTOL CMK Preservative can be incorporated into the original concentrate of metalworking fluids by adding the solid preservative under stirring until the preservative is completely dissolved (the compatibility of the fluid to be preserved and the preservative should be evaluated before this method is attempted). PREVENTOL CMK Preservative is equally suitable for tank side addition (maintenance). In this case, addition of the pre-dissolved preservative mixture is often more favorable. Suitable solvents for this purpose are, for example, ethanol, or 1,2-propanediol, or, alternatively by preparation of water dilutable alkaline solutions. To achieve maximum distribution within the ready-to-use dilution of the metalworking fluid, the preservative should be dosed [at a point] in the system under conditions which ensure good circulation.

**MATERIALS IN THE PRINTING INDUSTRY: EFFECTIVE CONCENTRATION**

Inks	0.05 - 0.20%
Fount solutions	0.05 - 0.20%
Printing pastes	0.20 - 0.30%
Other printing materials and auxiliaries	0.05 - 0.30%

PREVENTOL CMK Preservative is incorporated preferably after pre-dissolution in suitable systems such as ethanol or 1,2-propanediol, or alternatively by preparing water dilutable alkaline solutions, which are added to the products to be preserved. Stirring is recommended to achieve homogeneous distribution of the preservative.



**MATERIALS IN THE BUILDING INDUSTRY:**

**EFFECTIVE CONCENTRATION**

Bitumen emulsions	0.15 - 0.40%
Concrete additives	0.15 - 0.40%
Other building materials and auxiliaries	0.15 - 0.40%

PREVENTOL CMK Preservative can be added directly to concrete additive solutions having an alkaline pH-value. The additive solution should be stirred well to dissolve the preservative material efficiently. In the case of neutral or acid concrete additives, it is preferable to incorporate PREVENTOL CMK Preservative first by dissolving it in a suitable solvent such as ethanol or 1,2-propanediol or by converting it to a water dilutable alkaline concentrate. In this pre-dissolved form PREVENTOL CMK Preservative can easily be incorporated into the concrete additives in such a way that preservative is homogeneously distributed throughout the product.

**MATERIALS IN THE COATINGS INDUSTRY:**

**EFFECTIVE CONCENTRATION**

Dyestuff paste, knifing fillers and plastic putty	0.10 - 0.15%
Casein based coatings	0.30 - 0.40%
Paints	0.05 - 0.40%
Other auxiliaries and coating materials	0.05 - 0.40%
Synthetic resin dispersions	0.05 - 0.25%

PREVENTOL CMK Preservative can be incorporated directly into pigments and fillers for coatings applications, or it can also be dissolved in a suitable solvent to be incorporated into the make-up water during the grind. For best results, the preservative should be dispersed homogeneously throughout the paint material. Depending on the ingredients, discoloration may occur and should be evaluated before conducting lab trials.

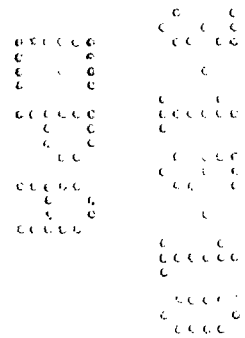
**MATERIALS IN THE PAPER INDUSTRY:**

**EFFECTIVE CONCENTRATION**

Rosin paper sizes	0.05 - 0.15%
Filler suspensions and coating compounds	0.05 - 0.20%
Starch slurries	0.10 - 0.30%
Pigment slurries	0.05 - 0.30%
Other materials and auxiliaries	0.05 - 0.20%

PREVENTOL CMK Preservative can be metered directly into the products to be preserved following the concentrations as indicated above. Good stirring is recommended to ensure fast and even distribution of the preservative throughout the products. In many cases it might be preferable to first pre-dissolve PREVENTOL CMK Preservative in suitable solvent systems such as ethanol or 1,2-propanediol, or alternatively by preparation of water dilutable alkaline solutions which then are added to the products to be preserved. Stir well to achieve homogeneous distribution of the preservative. Losses of active ingredient at elevated temperatures should be taken into account and avoided by suitable measures.

Incorporation of PREVENTOL CMK Preservative in dry components of suspensions is possible, if temperature during grinding does not exceed 60°C.



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**MATERIALS IN THE TEXTILE INDUSTRY:**

**EFFECTIVE CONCENTRATION**

Spinning Preparations	0.05 - 0.15%
Sizes and finishing agents	0.10 - 0.15%
Yarn humidifiers	0.05 - 0.10%
Printing thickeners (solid)	0.05 - 2.00%
Printing thickeners (liquid)	0.10 - 0.15%
Other materials and auxiliaries	0.05 - 0.20%

PREVENTOL CMK Preservative may be incorporated into the dry thickener by evenly mixing with the preservative to result in a pre-preserved, dry product.

Alternatively, incorporation of the preservative can be done at the stage of the ready-to-use thickener solution. In this case, PREVENTOL CMK Preservative is best pre-dissolved in suitable solvents such as ethanol or 1,2-propanediol, or an aqueous caustic soda stock solution is prepared and then added to the thickener solutions to be preserved. For fast and homogeneous distribution of the preservative, stirring is recommended.

**MATERIALS IN THE PHOTO INDUSTRY:**

**EFFECTIVE CONCENTRATION**

Gelatin	0.05 - 0.20%
Other materials and auxiliaries	0.05 - 0.20%

Incorporation of PREVENTOL CMK Preservative in concentrations as indicated above should be done after pre-dissolving the preservative in suitable solvent systems such as ethanol or 1,2-propanediol or others which are compatible with the individual production process.

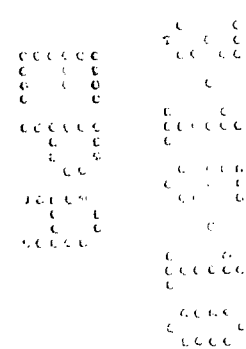
**MATERIALS IN THE OIL INDUSTRY:**

**EFFECTIVE CONCENTRATION**

Biopolymers, solid (xanthan, starch, galactomannan, etc.)	0.50 - 2.00%
Biopolymers, liquid (drilling muds)	0.05 - 0.20%
Other materials and auxiliaries	0.05 - 0.20%

PREVENTOL CMK Preservative may be incorporated into the solid by evenly mixing with the preservative to result in a pre-preserved, dry product.

Alternatively, incorporation of the preservative can be done at the stage of the ready-to-use drilling mud. In this case, PREVENTOL CMK Preservative is best pre-dissolved in suitable solvents such as ethanol or 1,2-propanediol, or an aqueous caustic soda stock solution is prepared and then added to the thickener solutions to be preserved. For fast and homogeneous distribution of the preservative, stirring is recommended.





**ADDITIONAL MATERIALS:**

**EFFECTIVE CONCENTRATION**

Polishing and wax material	0.10 - 0.40%
Protein solutions	0.20 - 0.30%
Cleaning solutions, detergents	0.05 - 0.20%
Ceramic glazes	0.10 - 0.20%
Fire extinguishing materials	0.10 - 0.30%
Materials and auxiliaries in the leather industry	0.10 - 0.30%
Cosmetic and toiletry raw materials	0.10 - 0.30%
Industrial Lubricants	0.10 - 1.00%*

The concentration of PREVENTOL CMK Preservative as indicated is based on total weight of the products to be preserved. Depending on the type of product to be protected, PREVENTOL CMK Preservative can be incorporated either directly or after pre dissolution in suitable solvent systems such as ethanol or 1,2-propanediol, or by preparation of water dilutable alkaline solutions (e.g. in caustic soda). Independent of the method chosen, for satisfactory results, the preservative must be achieved for example, by incorporation of the preservative into the make-up water at the beginning of the production and/or generally by stirring at every appropriate production stage.

\*Note: The FDA has approved this material as a Food Contact Substance with intended use at levels up to 1% as an antimicrobial preservative in lubricants that may have incidental contact with food.

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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