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Washington, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

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August 4, 2008

Heather F. Collins Senior Regulatory Affairs Specialist LanXess Corporation 111 RIDC Park West Dr. Pittsburgh, PA 15275-1112

Subject: Product Name: Preventol CMK Preservative EPA Registration No.: 39967-12 Application Date: July 18, 2008 Receipt Date: July 23, 2008

Dear Ms. Collins,

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

Proposed Notification

Add previously accepted effective mix concentration to directions for use.

General Comments

Based on a review of the material submitted, the following comments apply:

The notification application is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me by telephone at (703) 308-6422 or email at <u>heyward.adam@epa.gov</u> between the hours of 7:00am and 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,

Adam Heyward Product Manager (34)

Product Manager (34) Regulatory Management Branch II Antimicrobials Division (7510P)

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DATE 8 8/4/08	**********	***************	**********	***************	*****	
EPA Form 1320-1A (1/90)						

	United States ronmental Protecti Washington, DC 204	-	cy	Registra Amendrr X Other		OPP Identifier Nu	mber
Application for Pesticide - Section I							
1. Company / Product Numb 39967-12			2. EPA Produ Heyward			3. Proposed Classific	ation
4. Company / Product (Name Preventol CMK Presen	-	-	PM# 34			x None	Restricted
5. Name and Address of App	blicant (include ZIP Code)		6. Expedited	Review. In accord	lance with FIF	RA Section 3(c)(3) (b)(l)	
LANXESS Corporation 111 RIDC Park West D		-	my product is	similar or identical i	in composition	and labeling to:	
Pittsburgh, PA 15275		-	EPA Reg. No.		<u> </u>	· · · · · · · · · · · · · · · · · · ·	
Check of this	is a new address		Product Name	·			
			Section - II				
Amendment - Explain Be	low.			Final printed labels in	response to Ag	ency letter dated	
Resubmission in respons	e to Agency letter dated			"Me Too" Application			
Notification - Explain belo	ow.			Other - Explain below.			
This is to correct a typo located in our Directions for Use brochure on page 5. The upper effective concentration was inadvertently removed from the Materials in the Coating Industry for "Paints", "Other auxiliaries and coatings materials", and "Synthetic resin dispersions" uses. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.							
1. Material This Product Will	Re Packaged In:		Section - III	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Child-Resistant Packaging	Unit Packaging		Water Soluble	Packaging	2. Type of C	ontainer	
Yes No	Yes No		Yes No			Metal Plastic	
* Certification must be submitted	lf "Yes" Unit Packaging wgt.	No. per container	if "Yes" Package Wgt	No, per container		Glass Paper Other (Specify)	
3. Location of Net Contents In	formation Container	4. Size(s) r	etail Container	5. Location of	f Label Direction	ons	
6, Manner in Which Label is a	affixed to Product		Lithograph Paper glues Stenciled	Other			
	· · · · · · · · · · · · · · · · · · ·		Section - IV		<u></u>	· · ·	
1. Contact Point (Complete it	ems directly below for identi	fication of ind	lividuàl to be coi	tacted, if necessar	y. To process	this application.)	·
Name	Title			:	Telephone N	lo. (Include Area Code)	(() C
Heather F. Collins			ulatory Affairs S	pecialist	412-80		ι.
I certify that the statements I have I acknowledge that any knowingly both under applicable law.		hments thereto				6. Date Application Received (Ctar.#ac)	υς, ί. ί ζ
2.,Signature, Death F	Collir	3. Title Senic	or Regulatory Afi	airs Specialist		1 (((((((((((((((((((
4. Typed Name Heather F. Collins		5. Date		118/08			, , , , , , , , , , , , , , , , , , ,

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EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.



July 18, 2008

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VIA Courier

Attention: Adam Heyward Document Processing Desk (NOTIF) Office of Pesticide Programs (7504P) U.S. Environmental Protection Agency Room S-4900, One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202-4501

RE: Product: Preventol CMK Preservative Registration #: 39967-12 Label Change NOTIFICATION

Dear Mr. Heyward:

Enclosed is a notification regarding our Preventol CMK Preservative. This is to correct a typo located in our Directions for Use brochure on page 5. The upper effective concentration was inadvertently removed from the Materials in the Coating Industry for "Paints", "Other auxiliaries and coatings materials", and "Synthetic resin dispersions" uses. The current stamped label only has the lowest effective concentrations listed.

This typo was carried from the last label update on 11/17/2006 so the previous stamped label dated 7/25/1995 has the correct upper effective concentration for these three uses.

Specifically enclosed are:

- 1. EPA Form 8570-1
- 2. EPA stamped Directions for Use brochure dated 7/25/1995 with the correct information highlighted.
- 3. One (1) label highlighting proposed correction.
- 4. Five (5) copies of the proposed label.

Please contact me at 412-809-3595 if you have any questions.

Sinderely,

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Heather F. Collins Senior Regulatory Affairs Specialist Heather F. Collins Material Protection Products Regulatory Affairs 111 RIDC West Park Drive Pittsburgh, PA 15275-1112

Phone 412-809-3595 Fax 412-809-1068 heather.collins@lanxess.com www.US.LANXESS.com

Preventol[®] 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 (E.G., CONCRETE ADDITIVES, JOINT CEMENTS). PAINT AND COATINGS. PAPER. TEXTILE. PHOTO: GIL INDUSTRIES AND LEATHER AT ALL STAGES OF PRODUCTION.

ACTIVE INGREDIENT: p-Chloro-m-creso	, 	- 0			<u> </u>		99,95%
INERT INGREDIENTS		:			<u> </u>	,	0.05%
TOTAL	-		369	U	• • •	, 	100.0%

KEEP OUT OF REACH OF CHILDREN DANGER!

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGERI Corrosive: Causes irreversible eve damage or skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wear protective eye wear (goggles, face shield, or safety glasses). Wear protective clothing with a long sleeved shirt, long pants, socks, shoes, chemical resistant gloves, and an apron. Wash thoroughly with soap and water after handling and before eating, smoking, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE): if no such instructions, for washables use detergent and hot water. Keep and wash PPE separately from other laundry.

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 by the poison control center or doctor.

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.

IF IN EYES: Hold eve 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.

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

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

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

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 the discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the 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: 39967-12 **EPA ESTABLISHMENT NUMBER:**

LANXESS Corporation

111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

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 Preservative Technical Information Sheet. Obtain and read this information before undertaking the use of Preventol CMK Preservative in order to avoid process mistakes.

STORAGE AND DISPOSAL

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

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.

PESTICIDE STORAGE: Product should be stored in an area that is not subject to extreme temperatures. Proper protective equipment, as indicated, should be worn when opening, transferring, and using the product. Close container tightly when not in use. Spill-leak procedures and additional handling information is contained on the material safety data sheet.

CONTAINER DISPOSAL: Completely empty liner. Empty residue into application equipment. Dispose of liner in a sanitary landfill, 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.

DISCLAIMER: Seller (whether manufacturer, distributor, or other) makes no warranty expressed or implied, including the implied warranty of merchantability, regarding this product except the composition as set forth in the ingredient statement herein, and shall not be liable for special or consequential damages, the exclusive remedy being the replacement of the product. Buyer or user assumes all risk of possession, handling or use of this material when such use and/or handling is contrary to label instructions.

Preventol is a registered trademark of LANXESS Corporation

INTERNATIONAL 703-527-3887 Net Contents: Lot No.:

Date Reviewant Reviewed By:

LABEL TEXT DATE: 7/16/08

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PREVENTOL CMK Preservative

DIRECTIONS FOR USE

LANXESS PRODUCT EPA Registration Number: 39967-12 CAS # 59-50-7

Preventol CMK Preservative

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LANXESS Product Code/Technical Information EPA Registration Number 39967-12 CAS Number 59-50-7

I. FORMULA

II. TYPICAL PROPERTIES

Active Content (Nominal Concentration)	
(Minimum Purity)	
Physical Form	
Boiling Point (760mm)	
Boiling Point (10mm)	
Melting Point	63-65°C
Solubility-Soluble in most organic solvents, limited so	
Density(20°C)	1.37
Bulk density (g/liter)	

III. PRODUCT

Preventol CMK Preservative is a high purity chemical suggested as a preservative against bacterial 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.

Parachlorometacresol, the active ingredient in Preventol CMK Preservative, is approved under Title 21, Chapter 1, Food and Drug Administration, Department of Health and Human Services, Subpart B, Section 175.105, as a preservative component of adhesives intended for use in packaging, transporting or holding food. It is also approved for use under Section 178.3120 as a preservative in the manufacture of animal glue intended for use in packaging, "preparing treating, packaging, transporting, or holding of food.

DETAILED DIRECTIONS FOR USE:

Preventol CMK Preservative is effective against a wide variety of bacteria for the preservation of adhesives, glues, joint cements, polymer dispersions and emulsions, metalworking/cutting fluids, dyes pigments and filler suspensions, materials in the building, coatings, paper, textile, photo, and oil industries, and leather at all stages of production.

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%

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 argueous caustic soda stock solution to be added to the glues and adhesives to be preserved. In the production of a dry glues, Preventol CMK Preservative should be added toward the end of thickening in order to a 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 code 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, thou preservative must be evenly distributed throughout the adhesive or glue to be preserved in order to achieve satisfactory results.

JOINT CEMENTS:

EFFECTIVE CONCENTRATION

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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.

EFFECTIVE CONCENTRATION

POLYMER DISPERSIONS: AND EMULSIONS

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

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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 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 liquer 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		
Straight oils (Mineral-oil based) (concentrates)	1.00 - 3.00%		
(ready for use)	0.05 - 0.20%		
Soluble oils (oil emulsions, aqueous)			
(concentrates)	1.00 - 6.00%		
(ready for use)	0.05 - 0.30%		
Semi-synthetic (emulsions, aqueous)			
(concentrates)	1.00 - 6.00%		
(ready for use)	0.05 - 0.30%		
Synthetic (solutions)			
(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 a material efficiently. In the case of neutral or acid concrete additives, it is preferable to incorporate a Preventol CMK Preservative first by dissolving it in a suitable solvent such as ethanol or 1,2propanediol or by converting it to a water dilutable alkaline concentrate. In this pre-discolved 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 **EFFECTIVE CONCENTRATION** COATINGS INDUSTRY: 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.

> 39967-12 Page 5

Preventol CMK Preservative

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MATERIALS IN THE PAPER INDUSTRY:

EFFECTIVE CONCENTRATION

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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 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.

MATERIALS IN THE TEXTILE INDUSTRY:

EFFECTIVE CONCENTRATION

Spinning Preparations	0.05 - 0.15%
Sizes and finishing agents	0.10 - 0.15%
Yam 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 case 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 in 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 solutions is a prepared and then added to the thickener solutions to be preserved. For fast and moments distribution of the preservative, stirring is recommended.

MATERIALS IN THE PHOTO INDUSTRY:

EFFECTIVE CONCENTRATION

Gelatin Other materials and auxiliaries

0.05 - 0.20% 0.05 - 0.20% ιιι

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.

EFFECTIVE CONCENTRATION

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MATERIALS IN THE OIL INDUSTRY:

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 a systems such as ethanol or 1,2-propanediol, or by preparation of water dilutable alkeline 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.

DANGER: MAY BE ALLERGENIC, AVOID SKIN CONTACT. "MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN! <u>MAY PRODUCE SEVERE BURNS</u>! DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID SPRAY MIST. WASH THOROUGHLY AFTER HANDLING."

VI. MINIMUM INHIBITION CONCENTRATIONS OF PREVENTOL CMK PRESERVATIVE, (DETERMINED ON SPECIAL NUTRIENT MEDIA)

Microorganisms Bacteria Minimum Inhibition Concentration mg/liter

Microorganisms	Minimum
Pseudomonas flourescens	800
Pseudomonas aeruginosa	800
Proteous vulgaris	200
Leuconostoc mesenterioides	200
Escherichia coli	250
Bacillus subtilis	150
Aeromonas Punctata	200

Minimum Inhibition Concentration mg/liter

Staphylococcus aureaus	200	
Desulfovibrio desulfuricans	35	
Formaldehyde-resistant bacteria	250	

Yeast

Candida albicans	200
Torula rubra	50

Mold Fungi

Bacteria Cont.

Aspergillus flavus	100	
Aspergillus niger	100	
Aureobasidium pullulans	30	
Chaetomium globosum	80	
Cladosporium herbarum	200	
Coniophora puteana	100	
Paecilomyces variotii	200	
Penicillum citrinum	100	
Penicillum glaucum	100	(((
Trichophyton pedis	100	
Trichoderma viride	140	

NOTICE: This product is for industrial use only by persons having technical skills in formulation coatings, adhesives, elastomers, paints and the like. LANXESS CORPORATION MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS WHEN NOT USED IN STRICT ACCORDANCE WITH DIRECTIONS AND RECOMMENDATIONS GIVEN HEREWITH. Recommendations for the use of this product are based on laboratory tests that LANXESS considers to be reliable. The performance of this product varies from application to application. LANXESS is not responsible for results when the product is used with incompatible or contaminated raw materials; when the product is used under unsanitary conditions; or when manufacturing equipment is constructed of such raw materials as to inactivate this product. Under no circumstances will LANXESS be liable for consequential damages or damages to anyone in excess of the purchase price of the product. User assumes all risks of use, storage, and handling, not in strict accordance with the precautionary statements and storage recommendations on the labeling.

7/08