

PM 32 39967-12

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 39967-12	DATE OF ISSUANCE 4 MAY 1994
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Preventol CMK Preservative	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Miles Inc.
Mobay Road
Pittsburgh, PA 15205-9741

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 39967-12."

b. Revise the Environmental Hazards statement to read as per PR Notice 93-10: "This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, 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 to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA".

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

4 MAY 1994

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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 label is enclosed for your records.

Sincerely,



Ruth G. Douglas
Product Manager (32)
Antimicrobial Program Branch
Registration Division (7505C)

Enclosures

Reason for Issue: To propose new end-use registration for use in industrial preservation .

Date of Draft: December 22, 1993

EPA File Symbol: 39967-RE

TO BE PRINTED AS A SINGLE PANEL

Preventol CMK Preservative

N-___

INDUSTRIAL MICROBICIDE

FOR THE PRESERVATION OF ADHESIVES, JOINT CEMENTS, LATEX EMULSIONS, METALWORKING/CUTTING FLUIDS, AND LEATHER AT ALL STAGES OF PRODUCTION

Active Ingredient:

Parachlorometacresol.....99.9%

Inert Ingredients:.....0.1%

**ACCEPTED
with COMMENTS
in EPA Letter Dated**

4 MAY 1994

KEEP OUT OF REACH OF CHILDREN

DANGER

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

39967-12

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER/CORROSIVE: Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. May be fatal if swallowed or absorbed through skin. Precautions should include the use of eye shields, rubber gloves and protective clothing. Do not breathe spray dust. Use with adequate ventilation. Wash thoroughly after handling. In case of severe burns medical attention should be obtained immediately. Remove and wash contaminated clothing before reuse. For first aid instructions, see "Statement of Practical Treatment" section.

PHYSICAL OR CHEMICAL HAZARDS

Corrosive. May be allergenic, avoid skin contact. (Gleason, Gosselin, Hodge: Clinical Toxicity of Commercial Products: Williams & Wilkings: 2nd Edition 1963)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. 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

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STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink large quantities of water. Do not induce vomiting. Call a Physician or Poison Control Center immediately.

IF ON SKIN: Wash thoroughly with soap and water for at least 15 minutes.

IF IN EYES: Hold the lids open and flush immediately with a slow stream of water: continue this procedure for 15 minutes. Contact a physician.

IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

DIRECTIONS FOR USE

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

MILES INC. DISCLAIMS ALL LIABILITY BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT TORT LIABILITY OR ANY OTHER THEORY OF LIABILITY FOR ANY INJURIES, DAMAGES, OR FAILED EFFICACY RESULTING FROM THE USE OF THIS MILES INC. PRODUCT AS AN INGREDIENT IN ANY FORMULATION WITH A USE NOT SPECIFICALLY LISTED IN ITEM (1) UNDER "DIRECTIONS FOR USE" ON THIS LABEL.

REFORMULATORS AND REPACKAGERS OF THIS PRODUCT MUST OBTAIN THEIR OWN REGISTRATIONS FROM THE ENVIRONMENTAL PROTECTION AGENCY.

See Technical Information Sheet No. 121 for use directions.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL. Pesticide, spray mixture, rinsate or waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

4 MAY 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
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NET CONTENTS 110 LBS.
EPA REGISTRATION NUMBER 39967-
EPA ESTABLISHMENT NUMBER 39967-WG-002

Hazardous Material Identification System

CAS No. 59-50-7

HEALTH 2
FLAMMABILITY 1
REACTIVITY 1
PERSONAL
PROTECTION E

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

MILES INC.
ORGANIC PRODUCTS DIVISION
Mobay Road
Pittsburgh, PA 15205-9741

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U. S. Product Information

Reason For Issue: To propose new end-use registration for use in industrial preservation.

Date of Draft: December 22, 1993

EPA File Symbol: 39967-RE

TO BE PRINTED AS SEVERAL PAGES

Product Information

**Miles Inc.
Organic Products Division
Organic Chemicals**

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

4 MAY 1994

Preventol CMK Preservative

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.
39967-12**

Miles Product Code/Technical Information Sheet No. 121

EPA Registration Number 39967-_____

CAS Number 59-50-7

I. FORMULA

II. TYPICAL PROPERTIES

Active Content (Nominal Concentration).....	99.9%
(Minimum Purity).....	99.5%
Physical Form.....	crystalline solid
Boiling Point (760mm).....	230.5°C
Boiling Point (10mm).....	111.0°C
Melting Point.....	63-64°C
Solubility- Soluble in most organic solvents, limited solubility in water	
Specific Gravity.....	1.215
Apparent Density.....	loose 0.887
Stamped.....	0.912

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. When Miles Preventol CMK Preservative is used at the recommended levels, 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.

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PRODUCT - CONT.

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 packing, processing, 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, latex and other polymer emulsions, leather at all stages of production and metalworking/cutting fluids.

THE EXACT CONCENTRATION OF MILES 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 MILES 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:

EFFECTIVE CONCENTRATION

Polyvinyl acetate	0.1 - 0.3%
Polyvinyl alcohol	0.1 - 0.3%
Acrylic	0.1 - 0.3%
Casein	0.2 - 0.4%
Dextrin	0.1 - 0.3%
Hydroxyethyl cellulose	0.1 - 0.3%
Methyl cellulose	0.1 - 0.3%
Styrene butadiene	0.1 - 0.3%

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in EPA Letter Dated:

MAY 4 1994

Under the Federal Insecticide,
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registered under EPA Reg. No.
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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 of the preservative.

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JOINT CEMENTS:

EFFECTIVE CONCENTRATION

Paste Type, vinyl latex	0.075 - 0.15%
Paste type, protein	0.075 - 0.15%

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.

**POLYMER DISPERSIONS:
AND EMULSIONS**

EFFECTIVE CONCENTRATION

Acrylic Systems	0.05 - 0.30%
Polyvinylacetate (PVA) Systems	0.05 - 0.30%
Vinyl/Acrylic-Based Systems	0.05 - 0.30%
Styrene Butadiene Systems	0.05 - 0.30%
Polyester-Based Systems	0.05 - 0.30%
Polyurethane-Based Systems	0.05 - 0.30%
Other Polymer Dispersions	0.05 - 0.30%

~~Approved~~
with ~~Comments~~
in EPA Letter Dated:

4 MAY 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
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39967-12

Preventol CMK Preservative is 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 avoided. For homogeneous distribution, Preventol CMK Preservative should be dissolved in suitable solvents such as ethanol, 1,2-propanediol, water dilutable alkaline solutions then added to emulsion concentrates or polymer dispersions.

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 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.

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

Mineral Oil Based Products	
Cooling Fluids - Concentrate	1.00 - 5.00%
Ready for Use	0.05 - 0.25%
Boring and Cutting Oils	0.50 - 0.25%
Fuel Oils	0.02 - 0.15%
Hydraulic Oils	0.05 - 0.25%
Non-Mineral Oil Based Products	
Cutting Oils	0.05 - 0.30%
Cooling Fluids	0.05 - 0.30%

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in EPA Letter Dated:

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Under the Federal Insecticide,
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39167-12

) During the production of metalworking fluids to be used as cutting and grinding coolants in the metal industry, Preventol CMK Preservative is dissolved in the necessary amount of mineral oil, auxiliary (for example dispersing agent), solvents such as ethanol, glycols, or water dliutable alkaline concentrates, and added to form a homogeneous mixture in the substrates (metalworking fluids, etc.) by stirring. Dispersions containing 5-10% metalworking fluids in water can also be preserved by adding preservative based upon the amount of metalworking fluid present, typically at 0.15 pounds of Preventol CMK Preservative per gallon of substrate. For tank side additives meant to preserve dispersion or metalworking fluid after it has been in the machinery for an extended period of time, the Preventol CMK Preservative is added at concentrations of approximately 1.3 pounds of preservative per gallon of substrate.

) **DANGER: MAY BE ALLERGENIC, AVOID SKIN CONTACT. "MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN! MAY PRODUCT SEVERE BURNS! 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	Minimum Inhibition Concentration mg/liter
Aeromonas punctata	200
Bacillus subtilis	150
Escherichia coli	250
Leuconostoc mesenterioides	200
Proteous vulgaris	200
Pseudomonas aeruginosa	800
Pseudomonas flourescens	800
Staphylococcus aureus	200

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

Microorganisms **Minimum Inhibition Concentration mg/liter**

Desulfovibrio desulfuricans	35
Formaldehyde-resistant bacteria	250
Candida albicans	200
Torula rubra	50
Aspergillus flavus	100
Aspergillus niger	100
Aureobasidium pullulans	30
Chaetomium globosum	80
Cladosporium herbarum	200
Coniophora puteana	100
Paecilomyces variotii	200
Penicillium citrinum	100
Penicillium glaucum	100
Trichophyton pedis	100
Trichoderma viride	140

**APPROVED
with COMMENTS
to EPA Letter Draft**

4 MAY 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.
39961-12

NOTICE: This product is for industrial use only by persons having technical skill in formulating coatings, adhesives, elastomers, paints and the like. MILES INC. 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 Miles considers to be reliable. The performance of this product varies from application to application. Miles 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 Miles 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.

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