

Preventol CMK 40
INDUSTRIAL MICROBIOCIDE

N-125

PRESERVATIVE FOR USE IN THE MANUFACTURE OF, ADHESIVES AND GLUES, POLYMER DISPERSIONS AND EMULSIONS, MATERIAL IN THE LEATHER INDUSTRY (FOR THE PROTECTION OF CHROME OR VEGETABLE TANNED LEATHER), LUBRICOLANT AND MINERAL OIL-BASED PRODUCTS, MATERIALS IN THE PRINTING INDUSTRY, BUILDING MATERIALS SUCH AS JOINT CEMENTS AND CONCRETE ADDITIVES, MATERIALS IN THE OIL INDUSTRY, PIGMENT SLURRIES, MATERIALS IN THE TEXTILE INDUSTRY, PAPER, POLISHES WAXES, PROTEIN SOLUTIONS, CERAMIC GLAZES, FIRE EXTINGUISHING MATERIALS, CLEANING SOLUTIONS AND DETERGENTS.

ACTIVE INGREDIENTS:

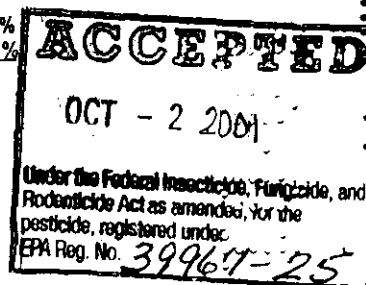
sodium p-chloro-m-cresolate

46.13%

INERT INGREDIENTS

53.87%

100%



KEEP OUT OF REACH OF CHILDREN
DANGER!

Net Contents: _____ Pounds

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER! CORROSIVE: Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. 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. Prolonged and repeated contact may cause an allergic reaction in some individuals.

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 40 Technical Information Sheet. Obtain and read this information before undertaking the use of Preventol CMK 40 in order to avoid process mistakes.

NOTE TO USER:

For worker protection during mixing, loading and during application, wear a hat, long sleeved shirt, and long legged trousers or overalls. In addition, during mixing and loading, wear rubber or neoprene gloves and protective goggles. Protective clothing should be laundered separately following application.

STORAGE AND DISPOSAL

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

Container disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of 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 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 express 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 Bayer AG, Germany

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 by a Poison Control Center 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 1-20 minutes. Call Poison Control Center or doctor for treatment advice.

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

In case of emergency call: CHEMTREC: 1-800-424-9300 INTERNATIONAL: 703-527-3887

Bayer Corporation Emergency Response Telephone #: 412-923-1800

Have the product container or label with you when calling a Poison Control Center or doctor or going in 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 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.

PHYSICAL AND CHEMICAL HAZARDS

Avoid contact with eyes and skin. Avoid inhaling vapors or mists. Do not use or store near heat or open flame. Store in original containers away from food and drink. Keep containers tightly sealed. Reseal container immediately after use. Avoid unnecessary contact.

Bayer Corporation
Industrial Chemicals Division
100 Bayer Road
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EPA Reg. No.: 39967-25
EPA Est. No.: 39967-DEU-002
 39967-SC-003
 67869-PA-001

39967-25

10-2-2001

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Product Information Preventol CMK 40

PRESERVATIVE FOR USE IN THE MANUFACTURE OF, ADHESIVES AND GLUES, POLYMER DISPERSIONS AND EMULSIONS, MATERIAL IN THE LEATHER INDUSTRY (FOR THE PROTECTION OF CHROME OR VEGETABLE TANNED LEATHER), LUBRICOLANT AND MINERAL OIL-BASED PRODUCTS, MATERIALS IN THE PRINTING INDUSTRY, BUILDING MATERIALS SUCH AS JOINT CEMENTS AND CONCRETE ADDITIVES, MATERIALS IN THE OIL INDUSTRY, PIGMENT SLURRIES, MATERIALS IN THE TEXTILE INDUSTRY, PAPER, POLISHES WAXES, PROTEIN SOLUTIONS, CERAMIC GLAZES, FIRE EXTINGUISHING MATERIALS, CLEANING SOLUTIONS AND DETERGENTS.

Bayer Product Code/Technical Information Sheet No. N-125
EPA Registration Number 39967-25
CAS Number [15733-22-9]

Chemical and Physical Data

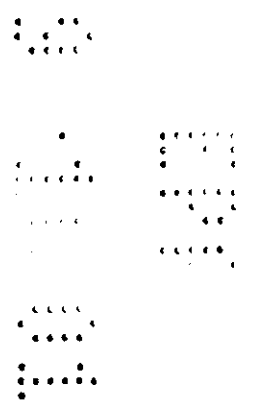
Common Name: Parachlorometacresol, sodium salt
Chemical Name: Sodium 4-chloro-3-methylcresolate
Nominal Concentration: 46.13%

Directions for use ADHESIVES AND GLUES

The weight of Preventol CMK 40 to be used is based on the total weight of the adhesive formulation. Preventol CMK 40 can be metered directly into the products to be preserved following the concentrations as indicated below. To achieve fast and homogeneous distribution throughout the entire product, stirring is recommended. In the production of dry glues, Preventol CMK 40 should be added toward the end of thickening in order to minimize any losses of active substance.

EFFECTIVE CONCENTRATION

| | |
|---------------------------------|---------------|
| Bone glues | 0.25 - 0.40 % |
| Skin glues | 0.40 - 0.75 % |
| Casein containing glues | 0.45 - 0.90 % |
| Other animal glues | 0.25 - 0.90 % |
| Starch based glues (liquid) | 0.25 - 0.60 % |
| Methyl Cellulose adhesives | 0.40 - 0.60 % |
| Other plant based adhesives | 0.25 - 0.60 % |
| Polyvinyl alcohol adhesives | 0.25 - 0.60 % |
| Acrylic adhesives | 0.25 - 0.60 % |
| Styrene butadiene adhesives | 0.25 - 0.60 % |
| Other adhesive emulsions | 0.25 - 0.60 % |
| Gumarabic and similar adhesives | 0.30 - 0.55 % |



POLYMER DISPERSIONS AND EMULSIONS

Preventol CMK 40 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. Good stirring is recommended to ensure fast and even distribution of the preservative throughout the products.

EFFECTIVE CONCENTRATION

| | |
|-------------------------------|---------------|
| Acrylic | 0.25 - 0.60 % |
| Polyvinylacetate (PVAc) | 0.25 - 0.60 % |
| Styrene Butadiene (SBR Latex) | 0.25 - 0.60 % |
| Other polymer emulsions | 0.25 - 0.60 % |

LEATHER

The weight of Preventol CMK 40 to be used is based on total weight of the product to be protected. Preventol CMK 40 can be metered directly into the products to be preserved following the concentrations as indicated below. Good stirring is recommended to ensure fast and even distribution of the preservative throughout the products.

In the case of chrome leather, an effective protection against mold attack may be obtained by incorporation of Preventol CMK 40 into the basifying solution

EFFECTIVE CONCENTRATION

| | |
|------------------------------------|---------------|
| Pickle solutions and pickled hides | 0.40 - 0.60 % |
| Chrome leather (on pelt weight) | 0.25 - 0.60 % |
| Leather pasting adhesives | 0.25 - 0.60 % |
| Leather pigment finishes | 0.45 - 1.00 % |

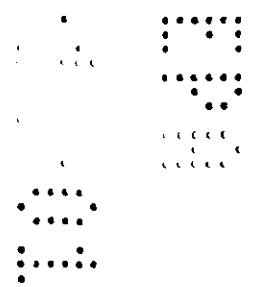
METAL WORKING FLUIDS

Preventol CMK 40 can be incorporated into the original concentrate of metalworking fluids. However, the compatibility with the fluid to be preserved should be evaluated before this method is attempted. Preventol CMK 40 is equally suitable for tank side addition.

To achieve fast distribution within the ready-to-use dilution of the metalworking fluid, the preservative should be dosed at a point in the system where good circulation is given. Pre-dissolution in water may be favorable.

EFFECTIVE CONCENTRATION

| | |
|--|---------------|
| Metal working fluids-Mineral oil based | |
| Metalworking fluids (concentrates) | 3.00 - 7.50 % |



(Preliminary testing for compatibility is indispensable)

Metalworking fluids (ready for use) 0.30 - 0.75 %

Metalworking fluids-Non-Mineral Oil Based

Metalworking fluids (concentrates) 3.00 - 7.50 %

(Preliminary testing for compatibility is indispensable)

Metalworking fluids (ready for use) 0.30 - 0.75 %

MATERIALS IN THE PRINTING INDUSTRY

The weight of Preventol CMK 40 to be used is based on total weight of the product to be protected. Preventol CMK 40 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.

EFFECTIVE CONCENTRATION

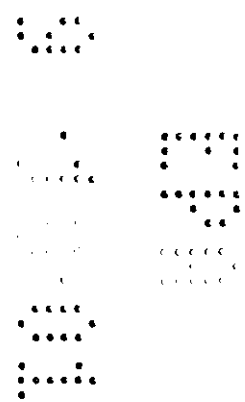
| | |
|--|---------------|
| Inks | 0.25 - 0.60 % |
| Fount solutions | 0.25 - 0.60 % |
| Printing pastes | 0.45 - 0.75 % |
| Other printing materials and auxiliaries | 0.25 - 0.75 % |

MATERIALS IN THE BUILDING INDUSTRY

The weight of Preventol CMK 40 to be used is based on the total weight of the product to be preserved. The preservative is incorporated into the materials just following the initial addition of water or other liquid components sufficient to dissolve the preservative. If incorporation happens at later production stages, stirring is recommended to ensure homogeneous distribution of the preservative throughout the product.

EFFECTIVE CONCENTRATION

| | |
|---------------------------------|---------------|
| Joint cements materials | 0.25 - 0.60 % |
| Bitumen emulsions | 0.40 - 1.00 % |
| Concrete additives | 0.50 - 1.00 % |
| Other materials and auxiliaries | 0.30 - 1.00 % |



MATERIALS IN THE COATINGS INDUSTRY

The weight of Preventol CMK 40 to be used is based on the total weight of the coating material. The preservative is best incorporated into the products just following the initial addition of water or other liquid components sufficient to dissolve the preservative. If incorporation happens at later production stages, stirring is recommended to ensure homogeneous distribution of the preservative throughout the product.

EFFECTIVE CONCENTRATION

| | |
|---|---------------|
| Dyestuff paste, knifing fillers and plastic putty | 0.25 - 0.45 % |
| Casein based coatings | 0.55 - 1.00 % |
| Synthetic resin dispersions | 0.25 - 0.60 % |
| Other auxiliaries and coating materials | 0.25 - 1.00 % |

MATERIALS IN THE PAPER INDUSTRY

Preventol CMK 40 can be metered directly into the products to be preserved following the concentrations as indicated below. If necessary, pre-dissolution in water is easily possible due to good water solubility of the preservative. Good stirring is recommended to ensure fast and even distribution of the preservative throughout the entire product.

EFFECTIVE CONCENTRATION

| | |
|--|----------------|
| Filler suspensions and coating compounds | 0.25 - 0.55 % |
| Rosin paper sizes | 0.30 - 0.60 % |
| Starch slurries | 0.30 - 0.75 % |
| Other materials and auxiliaries | *0.25 - 0.75 % |

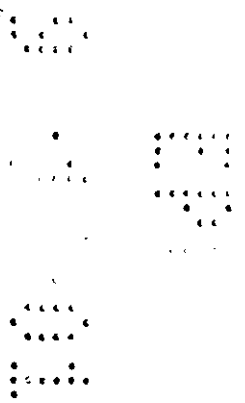
MATERIALS IN THE TEXTILE INDUSTRY

Preventol CMK 40 can be metered directly into the products to be preserved following the concentrations as indicated below. If necessary, pre-dissolution in water is easily possible due to good water solubility of the preservative. Good stirring is recommended to ensure fast and even distribution of the preservative throughout the entire product.

In the production of dry printing thickeners, Preventol CMK 40 should be added toward the end of thickening to minimize any losses of active substance.

EFFECTIVE CONCENTRATION

| | |
|------------------------------|---------------|
| Printing thickeners (liquid) | 0.30 - 0.60 % |
| Sizes and finishing agents | 0.30 - 0.60 % |
| Yarn humidifiers | 0.25 - 0.55 % |



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Other materials and auxiliaries 0.25 - 0.60 %

MATERIALS IN THE OIL INDUSTRY

The weight of Preventol CMK 40 to be used is based on the total weight of the product to be preserved. To ensure fast and even distribution of the preservative throughout the product, stirring is recommended. In the production of dry products, Preventol CMK 40 should be added toward the end of thickening to minimize any losses of active substance.

EFFECTIVE CONCENTRATION

| | |
|-------------------------------------|---------------|
| Biopolymers, liquid (drilling muds) | 0.30 - 0.75 % |
| Other materials and auxiliaries | 0.30 - 0.75 % |

PIGMENTS SLURRIES

The weight of Preventol CMK 40 to be used is based on the total weight of the product to be preserved. The preservative is best incorporated into the materials just following the initial addition of water or other liquid components sufficient to disperse the preservative. If incorporation happens at later product stages, stirring is recommended to ensure homogeneous distribution of the preservative throughout the product.

EFFECTIVE CONCENTRATION

(Kaolin-, Calcium carbonate-Talcum-, Iron oxide etc.)

| | |
|--------------------------|---------------|
| Kaolin slurry | 0.04 - 0.20 % |
| Calcium carbonate slurry | 0.03 - 0.15 % |
| Talcum slurry | 0.04 - 0.20 % |
| Iron oxide slurry | 0.03 - 0.20 % |

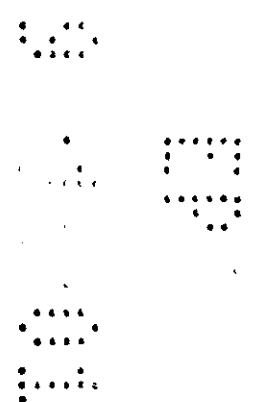
ADDITIONAL MATERIALS

The concentration of Preventol CMK 40 as indicated is based on the total weight of the products to be preserved. For satisfactory results, the preservative must be distributed evenly throughout the product.

EFFECTIVE CONCENTRATION

| | |
|--------------------------------|---------------|
| Polishing and wax materials | 0.30 - 0.90 % |
| Protein solutions | 0.45 - 0.75 % |
| Ceramic glazes | 0.30 - 0.45 % |
| Fire extinguishing materials | 0.30 - 0.75 % |
| Cleaning solutions, detergents | 0.25 - 0.45 % |

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