

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND ANIMALS**

DANGER

CORROSIVE. CAUSES SEVERE EYE & 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.

PHYSICAL OR CHEMICAL HAZARDS

MAY BE ALLERGENIC. AVOID SKIN CONTACT (GLEASON, GOSSELIN HODGE: CLINICAL TOXICITY OF COMMERCIAL PRODUCTS; WILLIAMS & WILKINGS 2ND ED 1963)

ENVIRONMENTAL HAZARDS

THIS PRODUCT MUST NOT BE USED IN ANY CONNECTION WITH FEED, FOOD OR DRINKING WATER. DO NOT CONTAMINATE WATERS BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES.

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 LITER BY SHAKING AND TAPPING SIDES AND BOTTOM TO LOOSEN CLINGING PARTICLES. EMPTY RESIDUE INTO APPLICATION EQUIPMENT. THEN DISPOSE OF LITER 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. 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 IN THE MATERIAL SAFETY DATA SHEET.

DIRECTIONS FOR USE

SOLD FOR MANUFACTURING USE ONLY
TO THE COATINGS AND LEATHER INDUSTRY AS AN
INDUSTRIAL PRESERVATIVE AGAINST BACTERIA.

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

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.
SEE TECHNICAL INFORMATION SHEET NO. 121 FOR USE DIRECTIONS.

**PARACHLOROMETACRESOL
(PCMC)**

ACTIVE INGREDIENT
PARACHLOROMETACRESOL

99.95%

N 121

ACCEPTED
SEP 10 1992
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 39967-8

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF FLUID AND CALL A PHYSICIAN 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.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS



Mobay Corporation

A BAYER USA INC COMPANY
PITTSBURGH, PA 15205-9741

A Bayer USA INC COMPANY
Bayer is a Division of Bayer AG, Germany

NET. CONTENTS 110 LBS.

EPA REGISTRATION NO. 39967-8

EPA ESTABLISHMENT NO. 39967-WG-002

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

42790

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM	
C. A. S. NO. 58-50-7	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	E

SEP 10 1962

TECHNICAL INFORMATION SHEET NO. 121

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 39967-8

PARACHLOROMETACRESOL (PCMC)

E.P.A. Reg. No. 39967-8

PRODUCT: Parachlorometacresol (PCMC) 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, and leather at all stages of production. When Miles PCMC 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 effectiveness should be maintained for the useful service life of the product.

Parachlorometacresol, Miles PCMC, is approved for use 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 of 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.

THE EXACT CONCENTRATION OF MILES PCMC REQUIRED WILL VARY WITH THE COMPOSITION TO BE PROTECTED. FOR SPECIFIC RECOMMENDATIONS, PLEASE CONTACT MILES INC. MICROBIOLOGICAL ASSAY CAN DETERMINE THE LEVEL REQUIRED FOR YOUR PARTICULAR FORMULA AND DESIRED END USE. THE MILES INC. LABORATORIES ARE READY TO SUPPLY THIS GUIDANCE.

RECOMMENDED USE: The following concentration of Miles Parachlorometacresol must be used to provide preservative efficiency:

Adhesives:	Effective Concentration
Polyvinyl acetate	0.05-0.075%
Polyvinyl alcohol	0.05-0.075%
Acrylic	0.05-0.075%
Casein	0.1-0.15%
Dextrin	0.075-0.1%
Hydroxyethyl cellulose	0.05-0.075%
Methyl cellulose	0.05-0.075%
Styrene butadiene	0.05-0.075%

The weight of Miles PCMC to be used is based on the total weight of the formulation. The preservative should be incorporated into the adhesive formulation just following the initial addition of water.

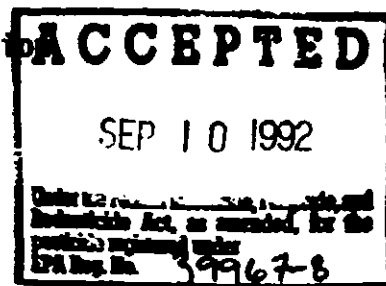
Joint Cements:	Effective Concentration
Paste type, vinyl latex	0.075-0.15%
Paste type, protein	0.075-0.15%

The weight of Miles PCMC to be used is based on the total weight of 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 PCMC.

Latex Emulsion:	Effective Concentration
Acrylic	0.05-0.075%
Polyvinyl acetate	0.05-0.075%
Vinyl acrylic	0.05-0.75%
Styrene butadiene	0.05-0.75%

The weight of PCMC to be used is based on the total weight of formulation. The preservatives should be post-added to the emulsion following the cool-down cycle.

Leather:	Effective Concentration
Pickle solutions and pickled hides	0.15-0.25%
Chrome leather calculated on Leather pelt weight	0.1-0.2%
Pasting adhesives	0.05-0.1%
Leather pigment finishes	0.2-0.4%



PCMC 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 PCMC together with soda into the basifying solution, since PCMC dissolves freely in the alkaline solution.

The oil-soluble PCMC 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 Miles PCMC.

SPECIFICATIONS:

Active content (nominal concentration)	99.95%
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

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

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 REPRESENTATION OR 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 is dependent on many formulation factors which may vary from manufacturer to manufacturer. 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 the 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.

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

