

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
39967-11  
TERM OF ISSUANCE

DATE OF ISSUANCE  
JUL 21 1994  
JUL 21 1994

NOTICE OF PESTICIDE:  REGISTRATION  
 REREГИSTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

PREVENTOL O EXTRA  
PRESERVATIVE

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Miles, Inc. (Organics Products Division)  
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 endorsement 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 sec. 3(c)(5) or sec. 4 when the Agency requires all registrants of similar products to submit such data.

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

3. Add the phrase "EPA Registration No. 39967-11."

4. Under "Pesticide Storage", change the second statement to "Do not contaminate water, food or feed by storage and disposal". (This statement should include "disposal".)

5. Under Environmental Hazards statement add as the first sentence: "This pesticide is toxic to fish."

6. 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

SIGNATURE OF APPROVING OFFICIAL

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

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U. S. Label

**Attachment A**

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

**Date of Draft:** March 16, 1994

**EPA File Symbol:** 39967-RR

**TO BE PRINTED AS A SINGLE PANEL**

**Preventol O extra - Preservative**

**INDUSTRIAL MICROBICIDE**

FOR THE PRESERVATION OF GLUES AND ADHESIVES, POLYMER EMULSIONS (COATINGS, PVA SYSTEMS AND RUBBER), THICKENERS (STARCH, CELLULOSE, GUAR, ETC.), PAPER, TEXTILES, DYES, TEMPORARY SAPSTAIN CONTROL FOR FRESH CUT LUMBER, CONCRETE ADDITIVES/MASONRY, METALWORKING FLUIDS, AIR FILTER OILS, STARCHES, CLAY SLURRIES, SLURRIES, PRINTING INKS, GRAPHITE, AND HARD SURFACE TREATMENT PRODUCTS (POLISHES, WAXES AND CERAMIC GLAZES).

**ACTIVE INGREDIENT:**

o-Phenylphenol.....99.9%

**INERT INGREDIENTS:**.....0.1%

EPA REG. NO. : 39967-\_\_\_\_\_

EPA ESTABLISHMENT NUMBER:  39967-WG-01

464-MI-1

ACCEPTED  
MILES INC  
JUL 21 1994

NET CONTENTS: \_\_\_\_\_

JUL 21 1994

**STOP-READ THE LABEL BEFORE USE  
KEEP OUT OF REACH OF CHILDREN**

**DANGER**

39967-11

See Side Panel for Statements of Practical Treatment and Other Precautionary Statements

MILES INC.  
ORGANIC PRODUCTS DIVISION  
MOBAY ROAD  
PITTSBURGH, PA 15205-9741

**BEST AVAILABLE COPY**

**KEEP OUT OF REACH OF CHILDREN  
DANGER! HARMFUL DUST!**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** DO NOT BREATHE DUST. CORROSIVE. CAUSES EYE AND SKIN IRRITATION. DO NOT GET IN EYES, SKIN OR ON CLOTHING. WEAR GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING. HARMFUL AND CAN BE FATAL IF SWALLOWED OR INHALED.

**ENVIRONMENTAL HAZARDS.** 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 local State Water Board or Regional Office of the EPA.

**STATEMENTS OF PRACTICAL TREATMENT**

**If in eyes:** Flush with water for at least 15 minutes. Call a physician or get medical attention.

**If on skin:** Wash immediately with soap and water. Wash thoroughly after handling.

**If inhaled:** Immediately remove person to fresh air. Then get immediate medical attention.

**If swallowed:** Immediately drink large amounts of water. Do not induce vomiting. Call a physician immediately.

**DIRECTIONS FOR USE**

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

**Detailed directions for use can be found in the accompanying technical brochure entitled "Preventol O extra Directions for Use."**

Information on the chemical and physical properties and efficacy can be found in the accompanying brochure entitled "Preventol O extra Preservative - Product Information."

Obtain and read both the "Preventol O extra Preservative - Directions for Use" and the "Preventol O extra Preservative - Product Information" before undertaking the use of Preventol O extra Preservative in order to avoid process mistakes.

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**NOTE TO USER:**

For worker protection during mixing, loading and during application, wear a hat, long sleeve 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.

**PESTICIDE STORAGE AND DISPOSAL**

**Pesticide Storage**

Keep containers tightly and securely closed. Do not contaminate water, food or feed by storage. Store below 122°F (50°C), protect from exposure to light and moisture. The product has unlimited shelf life if protected from light and moisture. The flakes agglomerate if the storage temperature is too high. See Miles Material Safety Data Sheet N-\_\_\_ for additional instructions.

**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 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.

**CHEMICAL OR PHYSICAL HAZARDS**

**Do not store near heat or open flame.** Store in a cool, dry place away from open flame and extreme heat. Store in original container and out of reach of children preferable in a locked storage area. Handle and open container in a manner as to prevent spillage. If 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 for pesticides above. In spill or leak incidents, keep unauthorized people away. In case of emergency, Call CHEMTREC at 800-424-9300.

**Nonwarranty:** 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. 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 TM of Bayer AG, Germany

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**DIRECTIONS FOR USE**

**Attachment B**

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

**Date of Draft:** March 4, 1994

**EPA File Symbol:** 39967-RR

**TO BE PRINTED AS SEVERAL PAGES**

ACCEPTED  
WITH COMMENTS  
in EPA Letter dated

JUL 21 1994

Miles Inc.  
Organic Products Division  
Organic Chemicals

**Preventol O extra Preservative**

**Directions For Use**

Miles Product Code N-\_\_\_\_\_

EPA Registration Number 39967-\_\_\_\_\_

CAS No. 90-43-7

39967-11

**I. DIRECTIONS FOR USE**

Preventol O extra Preservative is effective against a wide variety of mold fungi and bacteria for the preservation of glues and adhesives, polymer emulsions (coatings, PVA systems and rubber), thickeners (starch, cellulose, guar, etc.), paper, textiles, dyes, temporary sapstain control for fresh cut lumber, concrete additives/masonry, metalworking fluids, air filter oils, starches, clay slurries, slurries, printing inks, graphite, and hard surface treatment products (polishes, waxes and ceramic glazes).

The following guidance is given as an approximation for each use pattern, but field testing is recommended to achieve optimum effectiveness.

**GLUES AND ADHESIVES**

Preventol O extra Preservative can be dissolved in suitable solvent systems such as ethanol or 1,2-propanediol, or an alkaline homogeneous concentrate can be prepared and added to the substrate for the effective preservation of glues and adhesives. Preventol O extra Preservative can be directly mixed until homogeneous into to dry glues before they are concentrated.

**Recommended Dosages:**

Bone Glues.....	0.10 - 0.15%
Skin Glues.....	0.15 - 0.40%
Leather Glues.....	0.15 - 0.40%
Fish Glues.....	0.15 - 0.40%
Casein-Containing Adhesives.....	0.20 - 0.40%
Gelatin-Based Glues.....	0.15 - 0.30%
Albumin-Containing Glues.....	0.20 - 0.40%
Starch-Based Glues (Liquid).....	0.10 - 0.25%
Starch-Based Glues (Solid).....	0.15 - 1.00%
Polymer Dispersion-Based Adhesives.....	0.10 - 0.30%
Dextrin-Based Adhesives.....	0.10 - 0.30%
Cellulose-Based Adhesives.....	0.10 - 0.30%
Plant Glues.....	0.10 - 0.25%

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### STAINS AND PAINTS

Preventol O extra Preservative is generally incorporated directly into pigments and fillers, but it can also be first dissolved in a suitable solvent or added directly to the pre-heated binder systems. For best results, the preservative should be homogeneously incorporated into the stain or paint. Discoloration may occur, and should be evaluated.

#### Recommended Dosages:

Latex-Based Systems.....	0.15 - 0.25%
Casein-Systems.....	0.20 - 0.40%
Oil-Containing Systems.....	0.25 - 0.50%
Alkyd Resin-Based Systems.....	0.25 - 0.50%
Synthetic Resin Dispersions.....	0.10 - 0.25%

### LEATHER

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

Preventol O extra 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 O extra Preservative together with soda into the basifying solution, since Preventol O extra Preservative dissolves freely in the alkaline solution.

The oil-soluble Preventol O extra 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 O extra Preservative.

### TEXTILES

Preventol O extra Preservative should be dissolved in suitable solvents such as ethanol, 1,2-propanediol, mineral spirits, or paraffins or can be converted to a water dilutable alkaline concentrate and applied directly to the textile normally by dipping or spraying. The preservative is affixed to the fiber with a suitable acid like acetic acid. For the preservation of auxiliaries, Preventol O extra Preservative is diluted in solvents as mentioned above or is homogeneously distributed with the aid of alkaline solutions or emulsion concentrates. Print thickeners are preserved by adding Preventol O extra Preservative directly to the emulsion or homogeneously metered directly into the dried product. Milling may be necessary in order to obtain consistent particulate sizes.

#### Recommended Dosages:

Awnings and Tarpaulins.....	0.50 - 5.0%
Geotextiles.....	0.50 - 5.0%
Shower Curtains.....	0.50 - 2.0%
Jute, Sisal.....	0.50 - 2.5%
Felts.....	0.50 - 2.5%

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**Recommended Dosages (Textiles Cont.):**

Carpets.....	0.50 - 2.0%
Upholstery.....	0.50 - 2.0%
Cotton Production.....	0.50 - 1.5%
Wool Production.....	0.50 - 1.5%
Fire Hoses.....	1.0 - 3.0%
Auxiliaries (Sizing Agents, Finishing Agents, Spinning Preparations, Wetting Agents.....)	0.05 - 0.25%

**TEMPORARY SAPSTAIN CONTROL FOR FRESH CUT LUMBER AND OTHER LUMBER**

Preventol O extra Preservative is converted to alkaline liquid and water dilutable formulations by adding sodium hydroxide or other bases or by preparing emulsion concentrates of Preventol O extra Preservative. Auxiliaries may also be added. For the temporary protection of freshly sawn lumber against staining and molding, Preventol O extra Preservative solutions as prepared above are applied to the freshly sawn lumber by either dipping or spraying.

**Recommended Dosages:**

Fresh Cut Lumber.....	1.0 - 4.0%
Fruit and Vegetable Containers.....	1.0 - 3.0%
Pallets.....	1.0 - 3.0%
Construction Woods.....	1.0 - 4.0%

**DYES, PIGMENTS AND FILLER SUSPENSIONS**

Preventol O extra Preservative should be evenly mixed with dispersing agents for processes where the temperature does not exceed 100°C. For all other processes, Preventol O extra Preservative is metered directly into the material to be preserved during the cooling step after the temperature falls below 50°C and homogeneously distributed by stirring.

**Recommended Dosages:**

Clay Slurries.....	0.05 - 0.20%
Kaolin Slurries.....	0.05 - 0.20%
Calcium Carbonate Slurries.....	0.05 - 0.20%
Iron Oxide Pigment Slurries.....	0.05 - 0.20%
Carbon Black Pigment Slurries.....	0.05 - 0.20%
Titanium Dioxide Pigment Slurries.....	0.05 - 0.20%
Organic Dyes and Pigment Slurries.....	0.05 - 0.20%
Starch Slurries.....	0.05 - 0.30%
Other Filler Suspensions.....	0.05 - 0.30%

**POLYMER DISPERSIONS AND EMULSIONS**

Preventol O extra 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 O extra 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.

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**Recommended Dosages (Polymer Dispersions and Emulsions):**

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%

**LUBRICOLANTS AND MINERAL OIL BASED PRODUCTS**

Preventol O extra Preservative is dissolved in the necessary amount of mineral oil, auxiliary (for example dispersing agent), solvents such as Ethanol, Glycols or water dilutable alkaline concentrates, and added to form a homogeneous mixture in the substrates (metalworking fluids, etc..) by stirring.

**Recommended Dosages:**

**Mineral Oil-Based Products**

Cooling Fluids - Concentrate .....	1.0 - 5.0%
Ready for Use.....	0.05 - 0.25%
Boring and Cutting Oils.....	0.05 - 0.20%
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%

**OTHER APPLICATIONS**

**Recommended Dosages:**

Concrete and Masonry Additives.....	0.10 - 0.30%
Biopolymers (e.g. Xanthan).....	0.05 - 0.20%
Fire Extinguishing Medium.....	0.10 - 0.30%
Photographic Gelatins.....	0.05 - 0.25%
Tints.....	0.05 - 0.20%
Cleaning Solutions.....	0.05 - 0.40%
Wax Emulsions.....	0.05 - 0.40%
Plasters.....	0.10 - 0.50%
Chemical Cleaning Solutions.....	0.02 - 0.15%
Concrete.....	0.10 - 0.50%
Caulking Materials.....	0.10 - 0.50%
Rubber Systems.....	0.20 - 1.00%
Ceramic Glazes.....	0.10 - 0.50%
Polishes.....	0.05 - 0.20%
Paper Auxiliaries.....	0.05 - 0.30%
Paper Slurries.....	0.07 - 0.1%

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## II. PESTICIDE STORAGE AND DISPOSAL

### Pesticide Storage

Keep containers tightly and securely closed. Do not contaminate water, food or feed by storage. Store below 122°F (50°C), protect from exposure to light and moisture. The product has a shelf life of at least two years if protected from light and moisture. The flakes agglomerate if the storage temperature is too high. See Miles Material Safety Data Sheet N-\_\_\_ for additional instructions.

### 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 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## III. HEALTH AND SAFETY INFORMATION

Appropriate literature has been assembled which provides information pertaining to health and safety concerns that must be observed when handling Miles products, appropriate industrial hygiene and other safety precautions recommended by their manufacturer should be followed. Before working with any product mentioned in this publication, you must read and become familiar with available information concerning its hazards, proper use and handling. This cannot be overemphasized. Information is available in several forms, such as Material Safety Data Sheets and Product Labels. Consult your Miles Representative or contact the Product Safety Manager for the Organic Products Division within Miles' Product Safety and Regulatory Affairs Department.

**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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