

MAY 8 1992

Michael H. West  
IBC Mfg. Co.  
416 East Brooks Road  
Memphis, TN 38109

Dear Mr. West:

Subject: Revised Labeling  
Mitrol PQ-57  
EPA Registration No. 1022-490  
Your Submission Dated December 14, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Note in the Directions for Use and on the front panel you have duplicate paragraphs stating: "PQ-57 is a non-alkaline.....described below." You should delete one of these paragraphs.

b. Reinstate the complete heading:

Sapstain Control In Freshly Cut Lumber And Timber

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

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Cynthia Giles-Parker  
Product Manger (22)  
Fungicide Herbicide Branch  
Registration Division (H7505C)

Enclosure

H122 1022-490 Jotz

# MITROL PQ-57

## ANTIMICROBIAL PRESERVATIVE

### CONTROLS DECAY, ROT, MOLD, MILDEW AND TERMITES

Mitrol PQ-57, a product of IBC Mfg. research, is a non-alkaline water-soluble formulation of copper 8-quinolinolate which mixes readily with water. Mitrol PQ-57 is supplied as a concentrate for automatic dilution with the correct amount of water, using either the Sure-Mix or Dispenser system or simple hand mixing and may then be applied to wood products to dip, spray or lowcoat. Suitable use dilutions in water range from 1:4 (1 gallon Mitrol PQ-57 to 4 gallons water) to 1:200 depending upon end use and degree of protection needed as described below.

### DIRECTIONS FOR USE

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

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#### WOOD

For general wood preservation and wood in contact with fruit, vegetables and other foodstuffs, includes boxes and bins, mushroom trays, pallets, nursery trays, flats and stakes, fences, shingles siding, millwork and furniture. Reinspect annually for evidence of termite attack and retreat as necessary. Portable after 48 hours.

**FOR ABOVE GROUND SERVICE** For mild conditions, apply liberally by brush or spray at 1:20 use dilution in water. For severe conditions, dip for a minimum of three minutes.

**FOR GROUND CONTACT SERVICE** For mild conditions, apply by dipping for 12-48 hours at a 1:30 use dilution in water. For severe service, use a 1:4 use dilution in water and dip for 12-48 hours.

#### GENERAL PRESERVATION

Suitable for canvas and other textiles, rope and nets, leather and paper products. Apply by brush, spray or spray dip.

**FOR MODERATE SERVICE** Dilute 1:30 in water.  
**FOR SEVERE SERVICE** Dilute 1:20 in water.

#### ENVIRONMENTAL SURFACES

For control of mold and mildew on paint, varnish, concrete, brick, glass, tile, metals, plastic, wood, paper, leather, textiles and asphalt shingles. Reinspect annually and retreat as necessary. Clean surface by washing or, at a minimum, brushing off dirt. Apply by brush or spray to point of runoff.

**FOR MILD SERVICE** 1:200 in water  
**FOR MODERATE SERVICE** 1:100 in water  
**FOR SEVERE SERVICE** 1:50 in water

#### POTATO RING ROT

PQ-57 is an effective disinfectant against the ring rot organism, *Corynebacterium sepedonicum*. PQ-57 is a useful aid in the effort to control potato ring rot contamination from planters, seed handling equipment, seed cutters, storage trucks, trailers, etc. PQ-57 should be applied prior to and during potato seed cutting and planting. Dilute PQ-57 1:100 in water with careful agitation. Adding PQ-57 to water will lessen the foaming associated with mixing. Spray all surfaces with a non-mist nozzle at about 20 psi. The treatment will be most effective if all surfaces have been washed free of dirt and debris and allowed to dry prior to application. A combination of steam cleaning followed by treatment with PQ-57 will be more effective than treatment with PQ-57 alone, especially for porous surfaces that are hard to clean. Although PQ-57 is not phytotoxic to cut seed potatoes, do not treat the potato seed surfaces. The additional moisture applied in rewetting of the potato surface can cause storage problems due to secondary attack from soft rot organisms.

#### SAPSTAIN CONTROL IN FRESHLY CUT LUMBER

Freshly cut wood should be treated within 24 hours. Otherwise fungal attack may extend below the surface of the wood, beyond the reach of a surface fungicide treatment. Remove sawdust and other debris from application apparatus daily to maintain solution effectiveness. Freshly treated lumber should be protected from rain.

**BASE STRENGTH**—for lumber 2 inches or less in thickness, one gallon of PQ-57 is combined with 250 gallons of water. Under average conditions, a Base Strength solution provides fungus control when applied to rough cut wood, provided drying, storage and shipment are carried out in accordance with optimum industry standards at these rates:

- 10 gal. on 8/4 cut per 1000 board feet
- 15 gal. on 6/4 cut per 1000 board feet
- 20 gal. on 4/4 cut per 1000 board feet

**STRONGER THAN BASE STRENGTH**—Stronger solutions are needed for thicker than 2 inch lumber, for tightly bundled lumber, surfaced wood and for prolonged exposure to wet conditions. These higher than Base Strength solutions usually are in the range of one gallon of PQ-57 diluted with 50 to 100 gallons of water.

Smooth surfaced lumber normally retains only one half as much fungicide solution as rough cut wood and hence needs a concentration of double the Base Strength to deposit the necessary amount of fungicide on the wood.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

## DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield when handling. Do not breathe spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

### WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO EXCEPT IN WRITING WITH A SPECIFIC REFERENCE TO THIS WARRANTY. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material to which a claim is made.

MANUFACTURED BY  
IBC MANUFACTURING COMPANY  
MEMPHIS, TENNESSEE 38109

**BEST AVAILABLE COPY**

**INGREDIENT STATEMENT**

ACTIVE INGREDIENT: Copper 8-quinolinolate..... 5.00%

INERT INGREDIENTS..... 95.00%

TOTAL..... 100.00%

PQ-57 weighs 9.0 lbs. per gallon.

Patent No. 4,766,113 and No. 4,602,011

BATCH NO. [REDACTED]

NET CONTENTS:  5 GALLON (87092080)  55 GALLON (87092001)

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush immediately with large quantities of water. GET MEDICAL ATTENTION.

**IF ON SKIN:** Wash with soap and plenty of water. Wash contaminated clothing before reuse.

**IF SWALLOWED:** Drink promptly a large quantity of water. Do not induce vomiting, avoid alcohol, or contact a Doctor.

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

EPA Est. No. 1022-TN-1 EPA Reg. No. 1022-490

### STORAGE AND DISPOSAL

**PROHIBITION** 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 residue 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 other procedures approved by State or local authorities.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

For the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1022-490