

1022-490

7/22/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

July 22, 2003

Gail Early
Registrations Representative
IBC Manufacturing Company
416 E. Brooks Road
Memphis, TN 38109

Subject: PQ-57
EPA Registration No. 1022-490
Application Date: June 12, 2003
EPA Received Date: June 26, 2003

Dear Ms. Early:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide (FIFRA), as amended, is acceptable with the conditions listed below:

Proposed Amendment

- Update First Aid Statement per PR Notice 2001-1
- Update Warranty Statement

Conditions

Revise the label as follows:

1. Revise the Storage and Disposal Statements by deleting the heading "PROHIBITIONS."
2. Revise the Storage and Disposal Statements by creating Pesticide Storage instructions. Refer to PR Notice 83-3 for guidance.

CONCURRENCES

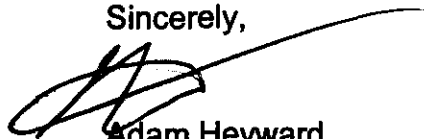
SYMBOL	7310c							
IRNAME	Early							
DATE	7-22-03							

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit three(3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact me at 703-308-6422.

Sincerely,



Adam Heyward
Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510 C)

PQ-57

ANTIMICROBIAL – PRESERVATIVE
CONTROLS DECAY, ROT, MOLD, MILDEW AND TERMITES

INGREDIENT STATEMENT

ACTIVE INGREDIENT:

Copper 8-quinolinolate	5.00%
INERT INGREDIENTS	95.00%
TOTAL	100.00%

ACCEPTED
with COMMENTS
EPA Letter Dated:

JUL 22 2003

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

PQ-57 weighs 9.0 lbs. per gallon.

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

EPA Reg. No. 1022-490

EPA Est. No. 1022-TN-1

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> ▪ 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 ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> ▪ Take off contaminated clothing. ▪ Rinse skin immediately with plenty of water for 15 – 20 minutes. ▪ Call a Poison Control Center or doctor for further treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> ▪ 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.

HOT LINE NUMBER

In case of emergency, call Chemtrec toll free at 800-424-9300.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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.

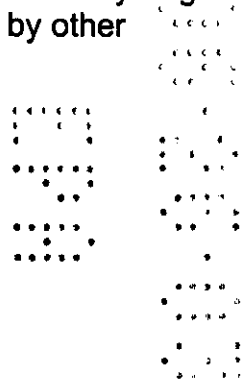
DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. 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 Environmental Protection Agency.

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 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 other procedures approved by State and local authorities.



DIRECTIONS FOR USE

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

PQ-57 is a non-alkaline water-soluble formulation of copper 8-quinolinolate which mixes readily with water. 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 by dip, spray or flowcoat. Suitable use dilutions in water range from 1:4 (1 gallon PQ-57 to 4 gallons water) to 1:200 depending upon end use and degree of protection needed as described below.

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. Paintable 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 1:10 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 short 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

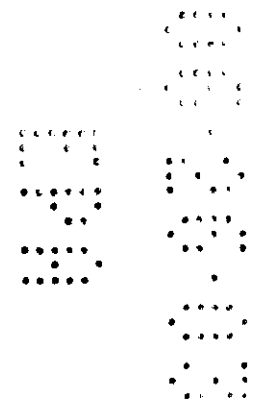
PQ-57 is an effective disinfectant against the ring rot organism, *Corynebacterium sepedonicum*. PQ-57 is a useful aid in the effort to control potato ring rot contamination from planters, seed handling equipment, seed cutters, storages, trucks, railcars, etc. PQ-57 should be applied prior to and during 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

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 or 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.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller this product conformed to its chemical description and that it was reasonably fit for the purposes stated on the product label when used both in accordance with the Direction for Use appearing on the product label and under normal conditions of use. Buyers and users of this product assume the risk of all loss or damage from use or handling of this product that results from their failure to read and comply with the Directions for Use of this product which appear on the product label. 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. Unless expressly prohibited by state law, the liability of seller for any breach of warranty shall not exceed the purchase price of the product as to which a claim is made.

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P. O. Box 9158
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