



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 1, 2019

Gail Watson  
IBC Manufacturing Company  
416 E. Brooks Road  
Memphis, TN 38109

Subject: Label Amendment – *Updating Directions for Use*  
Product Name: PQ-8  
EPA Registration Number: 1022-595  
Application Date: 07/19/2019  
Decision Number: 554983

Dear Ms. Watson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Stacey Grigsby by phone at 703.305.6440, or via email at [grigsby.stacey@epa.gov](mailto:grigsby.stacey@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Stacey Grigsby".

Stacey Grigsby  
Regulatory Risk Manager, 34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Enclosure



**PQ-8<sup>®</sup>**

Liquid Antimicrobial Concentrate  
For Control of Sapstain and Mold in Freshly Cut Lumber and Timber

**FOR INDUSTRIAL USE**

**Ingredient Statement**

**Active Ingredient:**

Copper 8-Quinolinolate\*:

CAS No. 10380-28-6 ..... 5.4%

**Inert Ingredients:** ..... 94.6%

**Total:** ..... 100.0%

\*Metallic Copper Equivalent 0.975%

Covered under U.S. Patents Nos. 4,766,113 and No. 4,602,011

**EPA Reg. No. 1022-**

**EPA Est. No. 1022-TN-001**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**See Precautionary Statements**

Manufactured by:

IBC Manufacturing Company  
416 East Brooks Road  
Memphis, TN 38109  
901-344-5350

Net Contents:

Batch No:

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

## **DANGER**

Applicators must wear chemical resistant gloves while handling or applying copper 8-quinolinolate products.

Corrosive. Causes irreversible eye damage and skin burns. Harmful if inhaled, swallowed or absorbed through the skin. Avoid breathing vapor or spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, coveralls over long-sleeved shirt and long pants, socks, chemical resistant shoes, and chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### Personal Protective Equipment (PPE):

Handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Socks and chemical resistant shoes
- Goggles or face shield
- Chemical-resistant gloves (such as or made out of any water proof material)

#### User Safety:

- Wash outside of gloves before removing.
- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product.
- As soon as possible, wash thoroughly.

## FIRST AID

<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>• Call a Poison Control Center or doctor for further treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a Poison Control Center or doctor for further treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<p><b>HOT LINE NUMBER</b>            In case of emergency call Chemtrec toll free at 800-424-9300.  <b>NOTE TO PHYSICIAN</b>            Probable mucosal contraindicate the use of gastric lavage.</p>	

## ENVIRONMENTAL HAZARDS

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This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

Antisapstain treated lumber must be stored under cover, indoors, or at least 100 feet from any pond, lake, stream, wetland, or river to prevent possible runoff of the product into the waterway. Treated lumber stored within 100 feet of a pond, lake, stream, or river must be either covered with plastic or surrounded by a berm to prevent surface water runoff into the nearby waterway. If a berm or curb is used around the site, it should consist of impermeable material (clay, asphalt, concrete) and be of sufficient height to prevent runoff during heavy rainfall events.

## **PHYSICAL & CHEMICAL HAZARDS:**

*Combustible.* Do not use or store near heat or open flame.

## **DIRECTIONS FOR USE**

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

PQ-8® fungicide is a non-alkaline water-soluble formulation of copper 8-quinolinolate which mixes readily with water. PQ-8 is supplied as a concentrate for dilution with 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.

Freshly cut wood should be treated as soon as possible, but not more than 24 hours after cutting. 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. Clean dip vat annually and make sure all surfaces are epoxy coated to prevent corrosion. Freshly treated lumber should be protected from rain.

For mild to moderate disease conditions for lumber that is 2 inches or less in thickness, one gallon of PQ-8 should be combined with 150 gallons of water to provide fungus control when applied to rough cut wood, provided drying, storage, and shipment are carried out in accordance with optimum industry standards. Smooth surfaced lumber normally retains only one-half as much fungicide solution as a rough cut wood and hence needs a concentration of double strength or one gallon PQ-8 diluted with 75 gallons of water to deposit the necessary amount of fungicide on the wood.

Stronger solutions are needed for thicker than 2 inch lumber and for prolonged exposure to wet conditions. These solutions will be in the range of one gallon of PQ-8 diluted with 50 to 125 gallons of water.

Test for penetration of solution into the pack and adjust band tightness as needed. If banded too tightly, the dip solution will not penetrate into the center of the pack. Strive to get good penetration in one to two minutes of dip time.

The rate of uptake per pack of lumber will vary based on the dimensions of the lumber to be treated. Thin boards (1-2") will take up more solution and fungicide per pack, than large dimension (4-6") lumber.

Check tank concentration and water levels often when dipping 2" or less thick lumber. The smaller the dimensions - the greater the uptake of the solution.

Wood products for use in the particle board production process may be protected from sapstain and mold by the same treating processes recommended for freshly cut lumber and timber.

## **WOOD**

~~For general wood preservation: All exterior uses including stakes, fences, shingles, siding, millwork, timber, lumber, furniture and pallets. Reinspect annually for evidence of termite attack and retreat as necessary. Paintable after 48 hours drying.~~

## **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, stakes, fences, shingles, siding, millwork, timber, lumber and furniture. Reinspect annually for evidence of termite attack and retreat as necessary. Paintable after 48 hours drying.

~~Wooden Tray Preservation (Treated Wooden Trays): Treated wooden trays are only to be used to grow mushrooms. The trays are not to be used to store or transport mushrooms, fruits or vegetables.~~

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## **STORAGE AND DISPOSAL**

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**DO NOT** contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE STORAGE:** Keep container closed. Protect from excessive heat.

### **PESTICIDE DISPOSAL:**

Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray 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 HANDLING:**

**NONREFILLABLE CONTAINER:** Do not reuse container. Triple rinse (or equivalent). Follow pesticide disposal instructions for rinsate. Then offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

**BULK CONTAINERS (TOTE TANKS):** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Do not rinse residue from containers. Return empty container to point of purchase for proper cleaning and disposal.

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## **WARRANTY AND LIMITATION OF DAMAGES**

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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.

PQ-8® is a registered trademark of IBC Manufacturing Company.  
Adjust-O-Bor® is a trademark of ISK Americas Incorporated.