SHAR-P50

FUNGICIDE

Preservative for Industrial and Commercial Use

ACTIVE INGREDIENT:	
PROPICONAZOLE 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	**50.0%**
OTHER INGREDIENTS:	**50.0%**
TOTAL:	**100.0%**
Contains 4.17 lbs. active ingredient per gallon	

KEEP OUT OF REACH OF CHILDREN

CAUTION

See inside booklet for complete First Aid, Precautionary Statements, Directions for Use, and Limitation of Warranty and Liability.

EPA Reg. No. 83529-31
EPA Est. No. AG 72159-GA-001; MA 83411-MN-001; MC 89332-GA-001; SC 39578-TX-001
The EPA Establishment Number is identified by the circled letters above that match the first two letters in the batch number.

Manufactured For:

Sharda USA LLC S U
7217 Lancaster Pike, Suite A
Hockessin, Delaware 19707

Net Contents: **265 Gals.**

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FIRST AID	
IF SWALLOWED:	• 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 to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• 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 eye. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBERS Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For 24-hour medical emergency assistance (human or animal) call **1-800-222-1222.** For chemical emergency assistance (spill, leak, fire, or accident) call: **CHEMTREC 1-800-424-9300.**	
NOTE TO PHYSICIAN There is no specific antidote for **SHAR-P50.** Give a saline laxative and supportive therapy.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate gloves. Follow the instructions for category G, on the chemical-resistance category selection chart in the EPA Label Review Manual, 3rd Edition (EPA-735-B-03-001, August 2003).

Applicators, and other handlers must wear:

- long-sleeved shirt and long pants
- shoes and socks
- chemical-resistant gloves
- protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Instructions

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users must remove clothing/ PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and shrimp. Do not apply directly to water. Do not contaminate water when disposing of equipment wastewater. 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 permit 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 Environmental Protection Agency.

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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:

Nonrefillable Container (equal to or less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling (if available), or dispose of in a sanitary landfill, or by other state and local approved procedures.

Nonrefillable Container (greater than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling (if available) or reconditioning, or dispose of in a sanitary landfill, or by other state and local approved procedures.

REFILLABLE CONTAINER: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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

SAPSTAIN AND MOLD CONTROL:

SHAR-P50 is used to control sap stain and mold in freshly cut hardwood and softwood lumber, poles, posts, timbers and other wood products. Examples of wood products include:

Logs: Fungal staining can be inhibited in freshly debarked logs used for log home construction, export, yarding prior to sawing and other purposes.

Wood Furnish: Engineered wood composites, such as particle board, wafer board, oriented strand board, and similar products can be protected from fungal discoloration during storage by treatment with **SHAR-P50**.

Wood Chips/Saw Dust: Treatment of wood chips, saw dust or other similar by products intended for papermaking (Not for food grade/food contact paper of paper board) reduces fungal discoloration and lowers bleaching requirements for finished paper products.

Plywood Veneer: Treatment with **SHAR-P50** is effective for freshly peeled green veneer and other similar plywood furnish that can be especially subject to sap stain and mold development that can interfere with appearance or laminating adhesive performance.

SHAR-P50 is used to control sap stain and mold in freshly cut hardwood and softwood lumber, logs, poles, posts, and timbers. **SHAR-P50** is applied by dipping or spraying the wood until complete surface wetting is achieved.

For *bulk dip tanks*, **SHAR-P50** is diluted by using 0.06 gallons (0.5 gallon **SHAR-P50** in 800 gallons of water) to 0.5 gallon **SHAR-P50** in 100 gallons of water. Agitate vigorously until completely dispersed.

For *conventional spray systems*, a 0.12% to 0.9% **SHAR-P50** spray solution is used. For example, in a 100 gallon day tank, 0.12 to 0.9 gallons of **SHAR-P50** are added to the day tank and then enough water is added to bring the total volume up to 100 gallons of solution.

In *electrostatic spray applications*, **SHAR-P50** dilution is not required, treatment strength is varied by number of application nozzles used and line speed. Rates, for all applications used will vary according to temperature, humidity, wood moisture, storage conditions, etc.

Remove sawdust and other debris from treating solution on a regular basis to maintain correct concentration of **SHAR-P50** in application solution. To prevent fungal attack below the surface of the wood, freshly sawn lumber must be treated within 24 hours. Treated lumber must be protected from rain and removed from direct soil/ground contact.

DECAY AND STAIN PROTECTION

DESCRIPTION: SHAR-P50 is a wood preservative concentrate that requires dilution with water prior to use on wood products to protect against decay (brown and white rot) and staining fungi (blue stain).

Product Uses: For application to millwork, shingles, shakes, siding, plywood, and structural lumber & composites that are used in above ground applications only. Do not use on wood which will come in contact with food.

Wood Preparation: Machine, cut, glue, and sand wood as desired before treating. Do not use over previously finished or stained wood without stripping off old finish. Wood must be clean and dry before treatment. Wood for pressure treatment must be kiln dried or air seasoned to moisture content of about 25% or less, that will permit adequate penetration of preservative during treatment.

Treatment: Apply by immersion, roller coater, flood, spray, brush or pressure treatment processes (double vacuum, full-cell or modified full-cell). For non-pressure application methods, mix 1 - 2 gallons of **SHAR-P50** with water to achieve 100 gallons of treating solution at the concentration of 0.5% - 1% a.i., respectively. Wood products to be treated by the bundle-dipping process must be completely immersed for three (3) minutes. Individual wood pieces treated by immersion, roller-coated or flood must be treated for at least fifteen (15) seconds. Coverage for brush and spray application is approximately 150 square feet per gallon of treating solution, but varies by the

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species and condition of the wood. Pressure treatment must be performed according to the methods described in the American Wood Preservers Association (AWPA) Standards. A minimum propiconazole retention level of 0.025 pounds per cubic foot (pcf) is recommended. All treated wood must be held on the drip pan until drippage has stopped. Any surface, cut after first treatment must be retreated using 1% a.i. concentration solution.

Finishing: Before glazing, staining, painting, varnishing, or application of water repellents, treated wood must be completely dry and odor-free. For non-pressure applications, allow 4 - 8 hours drying time under average temperature and humidity conditions; treated wood can be heat dried for plant protection. Pressure-treated wood requires drying after treatment to a moisture content suitable for the type of coating to be applied.

Clean-up: Use water to remove wet **SHAR-P50** wood preservative from all surfaces, brushes and rollers.

COATINGS, CAULKS, SEALANTS, ADHESIVES, AND INKS

This product may not be used in food grade coatings, adhesives, paper and paperboard, which will come into contact with food.

Sufficient mixing to ensure adequate dispersion of the biocide is required. **SHAR-P50** must be used at levels between 0.1 and 2.4% based on the total weight of the formulation to inhibit fungal disfigurement and deterioration. For solvent-based formulations, **SHAR-P50** can be dissolved in aromatic solvents or combination of aromatic and aliphatic solvents and added in the letdown or added directly to the finished product. For water-thinned latex emulsion formulation, **SHAR-P50** can be premixed with the wetting agent and added to the pigment slurry or simply added to the let down or finished product.

METALWORKING FLUIDS

Use **SHAR-P50** to inhibit fungal degradation of water based and water emulsifiable cutting fluids and coolants used in metalworking operations. Prior to using metalworking fluids, add **SHAR-P50** to the fluid concentrate or to the diluted metalworking fluid in an amount which will provide 50 to 700 ppm active ingredient in the diluted fluid.

CONDITIONS OF SALE AND LIMITATION WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Sharda USA LLC (Sharda) or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Sharda and Seller harmless for any claims relating to such factors.

Sharda warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Sharda and Buyer and User assume the risk of any such use. Sharda MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Sharda or Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SHARDA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SHARDA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Sharda and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Sharda.

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Manufactured For: Sharda USA LLC, 7217 Lancaster Pike, Suite A, Hockessin, Delaware 19707

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