



# Wood Preservative / Insect Control

Preservative for protection against decay fungi, and wood-destroying insects

### ACTIVE INGREDIENT:

Disodium Octaborate Tetrahydrate ..... 98% by weight  
(Na<sub>2</sub>B<sub>8</sub>O<sub>13</sub> • 4H<sub>2</sub>O)

**INERT INGREDIENTS:** ..... 2% by weight  
(Product contains 2% H<sub>2</sub>O-absorbed moisture)

EPA Reg. No. 59905-9

## CAUTION

**KEEP OUT OF REACH OF CHILDREN**

**NOT FOR FOOD OR DRUG USE**

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION:

Harmful if swallowed. Avoid contact with eyes. Wash thoroughly after handling. Avoid contamination of food and feed. Do not leave container where children or animals may gain access.

#### ENVIRONMENTAL HAZARDS

Armor-Guard or Armor-Guard solutions carelessly spilled or applied to cropland or growing plants, including trees and shrubs, may kill or seriously retard plant growth. This pesticide is toxic to fish and wildlife. 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 EPA.

#### Personal Protective Equipment (PPE)

Mixers/loaders, applicators and other handlers must wear: Long sleeve shirt and long pants, shoes plus socks, protective eyewear, chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or Viton) and, in confined spaces, a respirator with an organic removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge with any N, R, P or HE prefilter.

### USER SAFETY RECOMMENDATIONS

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 personal protection equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly.

### FIRST AID

|                     |   |
|---------------------|---|
| <b>IF SWALLOWED</b> | <ul style="list-style-type: none"> <li>•Immediately call a poison control center or doctor for treatment advice.</li> <li>•Have person drink 1 to 2 glasses of water if able to swallow.</li> <li>•Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>•Do not give anything by mouth to an unconscious person.</li> </ul> |
| <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</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 for 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 by mouth-to-mouth, if possible.</li> <li>•Call a poison control center or doctor for further treatment advice.</li> </ul>  |

In case of emergency, have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**See back page for Directions for Use.**

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **Storage:** Store in a dry place. Do not store where children or animals may gain access.

**Pesticide disposal:** Wastes resulting from the use of this product may be disposed of on site or at approved waste disposal facility.

**Container disposal:** Do not reuse empty container. Consult Federal, State, or Local authorities for approved disposal procedures.

Manufactured by:

**Perma-Chink Systems, Inc.**

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## **DIRECTIONS FOR USE:**

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

### **General Information**

Armor-Guard is a water-soluble inorganic borate salt for the protection and treatment of wood, wood products, and wood-foam composite structural components against decay fungi and wood boring beetles including Powder Post Beetles (Lyctidae), Furniture and Deathwatch Beetles (Anobiidae), and Old House Borers and Longhorn Beetles (Cerambycidae). Armor-Guard performance can be enhanced to treat mold and stain fungi by the addition of an appropriately registered fungicide to the treatment solution. Armor-Guard also controls Subterranean Termites (Reticulitermes, Heterotermes, Coptotermes), Dampwood Termites (Zootermopsis), Drywood Termites (Kaloterms, Incisitermes), and Carpenter Ants (Camponotus).

### **APPLICATION INSTRUCTIONS**

#### **Preparation of Treatment Solution:**

**10% aqueous solution:** To prepare solution, water should be added to the tank to about 80% of the final volume of solution required. While agitating, add 1.0 pounds of Armor-Guard gradually for each gallon of treating solution required. Add the remaining water and agitate the solution until the product has dissolved.

**15% aqueous solution:** Prepare solution as above, but gradually add 1.5 pounds of Armor-Guard for each gallon of treating solution that is required. Note: this concentrated solution should be used immediately and should not be stored. Equipment should be cleaned with soap and water, and rinsed after use.

**15% foam:** Prepare 15% aqueous solution as listed above and add surfactant/foaming agent. Typically 1-2 ounces of foaming agent added to the 15% aqueous solution will produce a dry foam with the desired expansion ratio of approximately 20 to 1 (approx. 20 gallons of foam per 1 gallon of aqueous solution). Armor-Guard foam should be of a "dry" consistency that adheres to wood surfaces, so that run-off is minimized. Since each foam machine can produce different foams, refer to the equipment manufacturer manuals and the surfactant's label for specific instructions.

#### **Application**

Armor-Guard may be used as a solution, powder or foam. Two applications of 10% solution or one application of 15% solution can be typically applied to wood surfaces by brush or spray. Application of the solution may also be made by drilling and then injecting under pressure into sound wood or the galleries of infested wood. As foam, Armor-Guard may be applied directly to wood surfaces or injected into insect galleries or wall voids.

#### **Remedial and Preventative Treatment Solutions**

For remedial control of organisms attacking wood or for protection of wood against future infestations two (2) applications of the 10% aqueous solution are normally required. Alternatively, apply one (1) application of the 15% aqueous solution. Apply solutions of Armor-Guard by brush or spray until wood surface is thoroughly wet, at a rate of approximately 5 gallons per 1000 square feet of wood surface area.

Application may also be made by drilling and then injecting the solution under pressure into sound wood or until run-off is observed from entry/exit holes of infested wood.

#### **Powder**

Alternatively, apply Armor-Guard powder to wood members by drill and injection into galleries or dust generously on wood surfaces. Armor-Guard powder can also be injected into wall voids such as between studs, block voids, box sill, eaves, attics, soffets, etc. Apply powder at a rate of approximately 0.5 ounces (12 - 14 grams) per square foot.

#### **Foam**

Apply foam so that all accessible wood surfaces are covered with foam. Where possible, place foam between wood joints or abutting wood surfaces. In wall voids, inject enough foam to contact wood surfaces of studs in the wall or the target area desired. Foam can be injected into galleries until run-off is observed from kick holes or entry/exit holes.

### **PRE-TREATMENT TO WOOD**

Spray, foam or powder/dust applications of Armor-Guard may also be made to wood during construction. Apply solution to all accessible surfaces of bare wood at a rate of approximately 5 gallons per 1000 square feet of wood surface area. Application should be performed after framing and roofing are in place and before insulation and dry wall are installed. Avoid spraying electrical components. Protect treated wood from excessive rain. End-cuts of wood may also be treated by the application methods listed above, or by 1 - 5 minute dipping in Armor-Guard treatment solution.

### **GENERAL INSECT CONTROL**

Armor-Guard powder may also be used as a crack and crevice and void treatment for general control of insects such as Roaches, Silverfish, Earwigs, Crickets and Ants. Armor-Guard 15% aqueous solution may be used as a crack and crevice treatment only.

Dust Armor-Guard powder into wall voids and hiding places such as in cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators, behind baseboards, coffee makers, meter boxes and manholes. No powder should be visible in living areas after application. Any powder visible after application must be brushed into cracks and crevices or removed. Apply only in areas inaccessible to children and pets. Avoid contamination of feed and foodstuffs. Do not use in serving areas when food is exposed.

Application of Armor-Guard powder or 15% aqueous solution is limited to crack and crevice treatment only in food areas of food handling establishments. Apply Armor-Guard powder or a 15% aqueous solution between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where insects hide. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

Applications of this product in the food areas of food-handling establishments other than as a crack and crevice treatment are not permitted.

#### **Notice**

Seller makes no warranty expressed or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use and/or handling of this material when use and/or handling is contrary to label instructions.

Because of many varying conditions affecting use and application, manufacturer warns complete prevention of decay by fungi or other organisms is not guaranteed. Neither manufacturer nor seller shall be liable in respect to any injury or damages suffered by reason of the use of this product for a purpose not indicated by the label, or when used contrary to the directions or instructions hereon, nor with respect to breach of any warranty not expressly specified herein. Buyer accepts this material subject to these terms, and assumes all risk of usage and handling except when used or handled in accordance with this label.

There are no expressed or implied warranties of merchantability or fitness for any particular purpose, except as specifically stated herein. Manufacturer shall not be liable for any consequential damages based on the use of the product.