LICENSED
HAWAII
DEPT. OF AGRICULTURE
Period 2003-2005 No. 9010.3

Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2015-2017 LIC. NO.
9010.3

Reg B.

Revised
5/02

Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2012-2014 LIC. NO.

ARMOR-GUARD®

Wood Preservative / Insect Control

For the PROTECTION AND PREVENTATIVE TREATMENT OF WOOD*

against decay fungi and wood destroying insects and for remedial control of such pests in infested wood.

*(*Also for wood-foam composite structural components.)*

ACTIVE INGREDIENT:

Disodium Octaborate Tetrahydrate ..... 98% by weight
($Na_2B_8O_{13} \cdot 4H_2O$)

INERT INGREDIENTS: ..... 2% by weight
(Product contains 2% H_2O-absorbed moisture)

EPA Reg. No. 59905-9

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.

STATEMENT OF PRACTICAL TREATMENT

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 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 ON SKIN or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center 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 by mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

ENVIRONMENTAL HAZARDS

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.

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.

PROTECTIVE EQUIPMENT

Wear waterproof gloves, eye protection, protective clothing (e.g., long sleeve shirt and shoes) and MSHA/NIOSH approved dust/mist mask respiration (in confined spaces) when utilizing ARMOR-GUARD powder or solution.

See back panel for Directions for Use.

Distributed by: NovaGuard Technologies, Inc.

1605 Prosser Road, Knoxville, TN 37914
www.novaguard.com
(865) 329-9900

Packaged by:
Perma-Chink Systems, Inc.
Knoxville, TN

Department of Agriculture
STATE OF HAWAII
OCT 30 2007
LICENSED
PERIOD 2009-2011 LIC. NO.

Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2006-2008 LIC. NO.

DIRECTIONS FOR USE:

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

ARMOR-GUARD® is a water-soluble inorganic borate salt with insecticidal and fungicidal properties effective against wood-destroying organisms, including the target pests listed below. This product can be used for remedial treatment of infested wood, for preventative treatment (before signs of infestations) for wood in existing structures.

ARMOR-GUARD is recommended for wood and cellulose materials, in accordance with the specific treatment methods described herein. ARMOR-GUARD is effective for all interior and exterior wood (and wood-foam composite structural components) that will be protected from excessive rain and not in direct contact with soil. Types of wood include, but are not limited to all types of lumber, logs, and plywood. This product is toxic to wood-destroying insects, but surface etching of treated wood by target organisms may occur.

This product is not a substitute for mechanical alteration, soil treatment or foundation treatment but merely a supplement. For active infestations, get a professional inspection.

TARGET ORGANISMS

ARMOR-GUARD is effective for treatment of wood (and wood-foam composite structural components) against decay fungi, including brown (i.e. Poria), white and wet rots, and wood-boring insects such as but not limited to the following termites, beetles and carpenter ants:

Subterranean Termites
Reticulitermes,
Heterotermes,
Coptotermes (Formosan)
Drywood Termites
Kalotermes, Incisitermes
Dampwood Termites
Zootermopsis
PowderPost Beetles
Lyctidae
Carpenter Ants
Camponotus
"False" Powder Post Beetles
Bostrichidae
Furniture and Deathwatch Beetles
Anobiidae
Old House Borers
Longhorn Beetles
Cerambycidae
Ambrosia Beetles
Scolytidae

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 pound of ARMOR-GUARD gradually for each gallon of treating solution required. The remaining water is then added and the solution is agitated 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.

Application

ARMOR-GUARD may be used as a solution or powder. 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.

Remedial and preventative treatment Solution

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.

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 may not be used for flea control. 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 crack 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 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 indicted 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. Manufacture shall not be liable for any consequential damages based on the use of the product.

5/02