AntiBlu® DIFFUZE
Termiticide, Insecticide and Fungicide Concentrate

Active Ingredient
Disodium Octaborate Tetrahydrate (Na₈B₉O₁₄·4H₂O) ................................................................. 40%
Other Ingredients .................................................................................................................. 60%
Total ..................................................................................................................................... 100%

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID
Borate Pesticide
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 if possible.

If on Skin or Clothing: • Take off contaminated clothing.  
• Immediately rinse skin with plenty of water for 15-20 minutes.

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 further treatment advice. Have the product container or label with you when calling a poi-
son control center or doctor, or going for treatment.

You may also contact 1-800-654-6911 for emergency medical treatment information.

See inside booklet for additional Precautionary Statements.

EPA Reg. No. 64405-1-62190

Distributed by:
ARCH WOOD PROTECTION, INC.
1955 LAKE PARK DRIVE
SMYRNA, GA 30080

Net Contents:  □ 5 Gallons  □ 55 Gallons  □ 250 Gallons

U.S. Patent Nos. 5,104,664, 5,460,816, 5,645,828, 6,426,095, 6,630,174
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Thoroughly wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Avoid contamination of food or feed. Do not leave container where children or animals may gain access.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water, to intertidal areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or 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 EPA.

DIRECTIONS FOR USE

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

Do not use in edible product areas of food processing plants or on countertops and other surfaces where food is prepared. Do not use in serving areas where food is exposed. Do not contaminate feed, water or food.

Safe Handling Procedures

Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, chemical-resistant gloves and protective eyewear. When applying AntiBlu® DIFFUZE in confined spaces, it is recommended that ventilation or an exhaust system be provided. If this is impractical the use of a NIOSH-approved respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH-NOSH approval prefix 5C-000), or a canister approved for pesticides (NIOSH-NOSH approval prefix TG-14G) or a NIOSH-approved respirator with an organic-vapor (OV) cartridge or canister with any N, P, or R P95 prefilter is recommended. Clean spills and overspray with a damp cloth or absorb with appropriate materials. (Refer to the AntiBlu® DIFFUZE Material Safety Data Sheet for additional health and safety information.)

AntiBlu® DIFFUZE may be used on all cellulose materials including wood, plywood, particle board, paper, oriented strand board (OSB), card board and wood composite structural components.

AntiBlu® DIFFUZE Total Wood Preservative

A wood preservative for protection and treatment of wood against brown rot, white rot, fungi (rot) and wood destroying insects including beetles, termites and carpenter ants. Treatment is permanent provided the treated material is not exposed to rain, moisture or ground contact.

A. General Information: AntiBlu® DIFFUZE is a concentrated solution of sodium borate with additives that facilitate rapid penetration of wood, regardless of moisture content. It is designed for preventative and/or remedial treatment of wood in both new and existing structures against fungi (rot) and wood boring insects including:

- Subterranean Termites (Reticulitermes, Heterotermes, Coptotermes)
- Dampwood Termites (Zootermopsis)
- Drywood Termites (Kalotermitis, Incisitermitis)
- Powderpost Beetles (Lyctidae, Scutellidae)
- Anobiid Beetles (Anobiidae)
- Old House Borers, Longhorn Beetles (Cerambycidae)
- Carpenter Ants (Camponotus)

B. Surface Preparation: Apply only to bare wood. Remove any previous finishes or water repellents before application of AntiBlu® DIFFUZE. Surfaces must be free of dirt and other contaminants. If finished appearance is a concern, prior to application of AntiBlu® DIFFUZE, remove any mold or mildew with an appropriate wood cleaner followed by thorough surface rinsing.
C. Application Instructions:

1. Treatment of Dimensional Lumber, Plywood and Exterior Wood Surfaces (Decks, Sheds, Siding, etc): Apply only to bare wood or to wood surfaces where an intact water repellent or finish is not present. If necessary, remove paint or finish prior to application. To all wood surfaces apply to the point of wetness one (1) coat of either one (1) part water to one (1) part AntiBu® DIFFUZE (1:1) solution for remedial control of wood-inhabiting insects, three (3) parts water to one (1) part AntiBu® DIFFUZE (3:1) for remedial control of fungi (rot), two (2) parts water to one (1) part AntiBu® DIFFUZE (2:1) foam or mist solution or a five (5) parts water to one (1) part AntiBu® DIFFUZE (5:1) solution for insect and fungicide prevention. Apply two coats of AntiBu® DIFFUZE solution to heavily infested areas and on those surfaces where access is limited to one (1) or two (2) sides of wood members. Do not apply in rain or snow. Do not expose treated exterior wood surfaces to rain or snow for at least 48 hours after treatment. If inclement weather is expected, protect exterior treated surfaces with a plastic tarp.

2. Treatment of Logs, Timbers and Large Beams: Apply only to bare wood or to wood surfaces where an intact water repellent or other finish is not present. If necessary, remove paint or finish prior to application. Prior to treatment, clean interior, unfinished surfaces that have accumulated dirt or cooking oils with a strong detergent. Apply to the point of runoff by spray or brush a one (1) part water to one (1) part AntiBu® DIFFUZE (1:1) solution to all interior and exterior wood surfaces. Refer to application chart for minimum amount of AntiBu® DIFFUZE to treat various sized logs or beams. Typically, two (2) coats of solution will be required to treat round logs 10” or greater in diameter and rectangular or logs larger than 6” x 12”. Wait at least one (1) hour between applications. Also apply two (2) coats of AntiBu® DIFFUZE solution to log ends, notches, corners and all logs. Actual number of coats necessary to meet the minimum requirements will depend upon actual wood size, surface porosity and number of sides accessible for treatment. Do not apply in rain or snow. If inclement weather is expected, protect exterior treated surfaces with a plastic tarp for at least 48 hours after treatment.

3. DIP Treatment Logs and Lumber: Prepare a dip treatment solution by mixing five (5) parts water to one (1) part AntiBu® DIFFUZE (5:1). This will result in a stable solution containing 6% active ingredient. Sticker bundled wood to ensure the solution covers all wood surfaces. Submerge logs and/or lumber in the solution for at least one (1) minute or until all entrapped air has escaped. Protect treated wood from rain or snow for at least 24 hours after treatment.

D. Finishing and Maintaining Exterior-Treated Surfaces: For long-term protection, exterior wood surfaces that have been treated with AntiBu® DIFFUZE require a topcoat with a water-resistant finish such as paint or exterior stain. Apply the finish or topcoat within six (6) weeks of treatment. It is important to allow AntiBu® DIFFUZE-treated wood to completely dry (at least 48 hours) before applying any protective topcoat. Coat a small section of treated wood with the finish to be used and check for compatibility prior to complete application. Interior surfaces do not require topcoating except in situations involving repeated moisture contact or high humidity (shower stalls, bath houses, saunas, etc.)

E. Retention Rates: One (1) gallon of AntiBu® DIFFUZE concentrate (two (2) gallons of AntiBu® DIFFUZE solution as applied) will treat 800 board feet of wood to a minimum retention level of 60.84 pounds per cubic foot basic acid equivalent (BAE). Since the active ingredient penetrates throughout the wood being treated, calculate the amount of AntiBu® DIFFUZE needed on the volume of wood being treated, not just the surface area. Use the following formulas to calculate the required amount of AntiBu® DIFFUZE:

For Dimensional Lumber

\[
\text{Material thickness (inches) x material width (inches) x material length (feet) divided by 12 = Board Feet}
\]

For Log Homes

\[
\text{Log height (inches) x log thickness (inches) x perimeter (feet) x number of courses divided by 12 = Board Feet}
\]

(For round logs use the average diameter for both height and thickness measurements)

For Siding and Paneling

One (1) gallon of AntiBu® DIFFUZE concentrate (two (2) gallons of solution) will treat 800 sq. ft. of 1” thick wood by spraying only one side. If siding expanding is 12” thick, one (1) gallon of AntiBu® DIFFUZE concentrate (two (2) gallons solution) treats 1,600 sq. ft.
### Application Rates
**Table A – Dimensional Lumber**

<table>
<thead>
<tr>
<th>Lumber Size (Inches)</th>
<th>1 Gallon of Diluted AntiBlu* DIFFUZE Will Treat Up To</th>
<th>Minimum Amount of Diluted AntiBlu* DIFFUZE To Treat 1000 Lineal Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 4</td>
<td>1,200 Lineal Feet</td>
<td>0.8 Gal.</td>
</tr>
<tr>
<td>1 x 12</td>
<td>400</td>
<td>2.5</td>
</tr>
<tr>
<td>2 x 4</td>
<td>600</td>
<td>1.5</td>
</tr>
<tr>
<td>2 x 6</td>
<td>400</td>
<td>2.5</td>
</tr>
<tr>
<td>2 x 8</td>
<td>350</td>
<td>3.2</td>
</tr>
<tr>
<td>2 x 10</td>
<td>240</td>
<td>4.2</td>
</tr>
<tr>
<td>2 x 12</td>
<td>200</td>
<td>5.0</td>
</tr>
<tr>
<td>4 x 4</td>
<td>300</td>
<td>3.4</td>
</tr>
<tr>
<td>4 x 5</td>
<td>200</td>
<td>5.0</td>
</tr>
<tr>
<td>4 x 6</td>
<td>150</td>
<td>6.8</td>
</tr>
<tr>
<td>4 x 8</td>
<td>100</td>
<td>10.0</td>
</tr>
<tr>
<td>6 x 6</td>
<td>133</td>
<td>7.6</td>
</tr>
<tr>
<td>6 x 8</td>
<td>133</td>
<td>10.0</td>
</tr>
<tr>
<td>6 x 10</td>
<td>80</td>
<td>12.6</td>
</tr>
<tr>
<td>6 x 12</td>
<td>68</td>
<td>15.0</td>
</tr>
</tbody>
</table>

**Table B – Panels, Siding and Plywood**
(1.1 or 2: mixing ratio)

<table>
<thead>
<tr>
<th>Thickness (Inches)</th>
<th>1 Gallon of Diluted AntiBlu* DIFFUZE Will Treat Up To</th>
<th>Minimum Amount of Diluted AntiBlu* DIFFUZE To Treat 1000 Square Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>1,600 sq. ft.</td>
<td>0.5 Gal.</td>
</tr>
<tr>
<td>3/8</td>
<td>1,067</td>
<td>1.0</td>
</tr>
<tr>
<td>1/2</td>
<td>800</td>
<td>1.2</td>
</tr>
<tr>
<td>3/4</td>
<td>523</td>
<td>1.8</td>
</tr>
<tr>
<td>1</td>
<td>400</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Table C – Round Logs**
(only the 1:1 mixing ratio)

<table>
<thead>
<tr>
<th>Diameter (Inches)</th>
<th>1 Gallon of Diluted AntiBlu* DIFFUZE Will Treat Up To</th>
<th>Minimum Amount of Diluted AntiBlu* DIFFUZE To Treat 1000 Lineal Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>167 Lineal Feet</td>
<td>6.0 Gal.</td>
</tr>
<tr>
<td>8</td>
<td>96</td>
<td>16.4</td>
</tr>
<tr>
<td>10</td>
<td>61</td>
<td>16.4</td>
</tr>
<tr>
<td>12</td>
<td>43</td>
<td>23.4</td>
</tr>
</tbody>
</table>

Note: The numbers listed above are based on an application rate of one (1) gallon of AntiBlu* DIFFUZE solution to 400 board feet of wood.
**Storage and Disposal**

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

*Pesticide Storage:* Store in a cool, dry (preferably locked) storage area inaccessible to children and pets. Do not freeze. *Pesticide Disposal:* Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. *Container Disposal:* Triple rinse, or equivalent; then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill; or incineration; or if allowed by state and local authorities, by burning; if burned stay out of smoke.

**Warranty Disclaimer**

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

**Inherent Risks of Use**

It is impossible to eliminate all risks associated with the use of this product. Lack of performance or other unintended consequences may result because of factors as use of product contrary to label instructions, abnormal conditions, the presence of other materials, the manner of application or other factors, all of which are beyond the control of the seller. All such risks shall be assumed by the buyer.

**Limitation of Remedies**

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories) shall be limited to, at Manufacturer's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

Manufacturer shall not be liable for losses or damages resulting from handling or use of this product unless Manufacturer is promptly notified of such loss or damage in writing. IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMITATION, HEALTH RELATED DAMAGES OR INJURIES. The terms of Warranty Disclaimer and Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Manufacturer or the seller is authorized to vary or exceed the terms of this Warranty Disclaimer or Limitation of Remedies in any manner.

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