

AntiBlu® Diffuze™ Wood Protection Solution

AntiBlu® Diffuze™ solution is an industrial termiticidal, insecticidal, and fungicidal concentrate based on the widely used active pesticide, Disodium Octaborate Tetrahydrate (DOT). It consists of a concentrated solution of DOT that penetrates wood regardless of moisture content. AntiBlu® Diffuze™ solution is designed for preventative and/or remedial treatment of wood in both new and existing structures against fungi (rot) and wood-boring insects.

Disodium Octaborate Tetrahydrate

$\text{Na}_2\text{B}_8\text{O}_{13} + \text{H}_2\text{O}$
CAS#12280-03-4

Specifications

Disodium Octaborate Tetrahydrate — 40.0%
Concentrate

Product Use

AntiBlu® Diffuze™ solution can be used effectively on cellulose materials including wood, plywood, particleboard, oriented strand board (OSB), cardboard, and wood composite structural components, which includes dimensional lumber, logs for log homes, wood siding, and paneling.

Application

It may be applied to wood and wood products by immersion or spray methods. Dilution levels can vary widely, depending on application methods, wood species, seasonal change in exposure conditions, length of protection desired, and wood storage and transport conditions.

For spray applications:

Mix one gallon of AntiBlu® Diffuze™ wood protection solution with up to 5 parts of water (depending on the results desired and the size of the material being treated)

For immersion application:

Mix one gallon of AntiBlu® Diffuze™ wood protection solution with up to 5 parts of water (depending on the results desired and the size of the material being treated)

Diffusion

The solution penetrates throughout cellulose material.

The outside surface of the timber in the background was sprayed with a combination of AntiBlu® Diffuze™ solution and mold inhibitor, then wrapped and set aside. Two weeks later, a thin cross-section (front) was cut, and a boron indicator chemical was applied. Where boron is present, the indicator turns a red color. As can be seen from the red area in the foreground piece, the boron from the AntiBlu® Diffuze™ solution had penetrated well into the timber from just a surface spray.



Storage

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

Pesticide Disposal

Waste resulting from the 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 incinerator. If allowed by state and local authorities, container may be burned. If so, stay out of smoke.

Safety Recommendations

Wear protective clothing. Wash hands thoroughly before eating, drinking, using tobacco products, and/or using restrooms. Before welding or cutting, thoroughly clean any piping or containers. Please read the Material Safety Data Sheet for more information.



FREQUENTLY ASKED QUESTIONS

What retention rate is needed to be effective as a termiticide, insecticide and fungicide?

A minimum retention level of 0.084 pounds per cubic foot boric acid equivalent (BAE) is needed for pest protection. This level can be achieved for 800 board feet of wood by using one gallon of AntiBlu® Diffuze™ concentrate when applied as two gallons of solution in a 1-1 mixture. Since the active ingredient penetrates throughout the wood being treated, calculate the amount of AntiBlu® Diffuze™ solution needed for the volume of wood being treated, not just the surface area.

How do you calculate board footage to determine the required amount of AntiBlu® Diffuze™ solution?

- For Dimensional Lumber (2x4, 2x6, 2x12, etc.)
Material thickness (inches) x material width (inches) x material length (feet) divided by 12 = Board Feet
- For Log Homes after construction
Log height (inches) x log thickness (inches) x perimeter of home (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 gallon of AntiBlu® Diffuze™ concentrate (two gallons of solution) will treat 800 sq. ft. of 1" thick wood by spraying only one side. If siding or paneling is ½" thick, one gallon of AntiBlu® Diffuze™ concentrate (two gallons solution) treats 1,600 sq. ft.

Is AntiBlu® Diffuze™ solution compatible with other anti-sapstain products?

It is compatible with AntiBlu® XP, IP-75, and AntiBlu® XP64 sapstain control products. Consult your Arch field representative for information on recommended concentration of AntiBlu® Diffuze™ solution when combined with other products.

How often should I clean out my tank?

It is advisable to clean tanks once a year provided there is a roof covering the tank. The amount of lumber that goes through the dip tank in a season can also influence how often cleaning is needed. Heavier usage or absence of a roof demands more frequent cleaning.

How often should I check the solution with my test kit?

This is dependent on usage. As a general rule, it is best to check once a day, or, if your usage is less frequent, before using the solution for treatment.

Who should I contact if I have a problem with worker exposure or spills?

Call the Arch Chemical Emergency Action Network 24-hour emergency response line at the number shown on the label (1-800-654-6911) or call our Environmental Health & Safety office during normal business hours.