

PENASHIELD® READY-TO-USE WOOD PRESERVATIVE

KILLS & HELPS PREVENT WDOs

PenaShield is a ready-to-use formula that can be sprayed or brushed on bare interior and exterior wood. It's unique patented preservative penetrates the wood, delivering long-lasting protection from listed wood destroying organisms (WDOs) including subterranean and drywood termites, wood boring beetles, carpenter ants and decay fungi. PenaShield also meets the American Wood Protection Association Standard M4 for end cuts for interior use.

The active ingredient in PenaShield is a borate mineral salt, which does not break down over time like synthetic chemicals. PenaShield will not stain or discolor wood; and once dry, can be painted or treated with a water sealer, stained or varnished. One gallon of PenaShield will treat approximately 150-250 square feet of wood, depending on the wood's porosity and surface texture.

Whenever you're working with wood, whether it's projects or repairs, always use PenaShield to protect the wood.



Remember, always read, understand and comply with the label. PenaShield and Nisus Corporation are registered trademarks of Nisus Corporation. ©2019 Nisus Corporation #PS-SS-02198

APPLICATION:

Apply with brush or low pressure garden-type sprayer directly to bare wood surfaces where an intact water-repellent barrier is not present.

TARGET PESTS:



TERMITES



CARPENTER
ANTS



WOOD BORING
BEETLES



WOOD DECAY



CREATING A WORLD
OF SUSTAINABILITY.



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800.264.0870 • WWW.NISUSCORP.COM

PENASHIELD®

DISODIUM OCTABORATE
TETRAHYDRATE READY-TO-USE



Kills & Prevents Wood Decay Fungi, Termites, Carpenter Ants and Wood Boring Beetles

Active Ingredient:

Disodium Octaborate Tetrahydrate ($\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$)	8.5%
Other Ingredients	91.5%
Total	100.0%

EPA Reg. No. 64405-5

EPA Est. 64405-TN-1

U.S. Patent No. 5,645,828

Keep Out of Reach of Children

CAUTION

Notice

Read and understand the entire label before using. Use only according to label directions. Before buying or using this product, read Warranty Disclaimer and Limitation of Remedies statements found elsewhere on this label. If terms are unacceptable, return unopened package to seller for full refund of purchase price. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer and Limitation of Remedies.

DIRECTIONS FOR USE

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

Safe Handling Procedures

Clean spills and over-spray with a damp cloth or absorb with appropriate materials. When applying this product 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 designed for protection from organic vapors is recommended.

General Information

PenaShield is applied to wood and is particularly suited for use in situations where odor, chemical sensitivity and environmental contamination are of concern. PenaShield will both eliminate and prevent infestations of wood destroying insects, such as subterranean and drywood termites, wood boring beetles, carpenter ants and decay fungi. It may take several days for the infestation to be eliminated, however, any termites that start to ingest treated wood or that are directly sprayed will die. As a

termiticide, this product is not intended as a substitute for mechanical alteration, soil treatment or foundation treatment; when active infestations exist, get a professional inspection.

Do not expose PenaShield-treated exterior wood to rain or snow for at least 24 hours after treatment. If necessary, cover freshly treated exterior wood with a tarp. When applying PenaShield to exterior surfaces cover nearby plants and grasses with plastic to avoid affecting normal plant growth.

Surface Preparation

Apply only to bare, dry wood. Remove any finishes or water repellents before applying PenaShield. Clean surfaces to be treated to ensure they are free of dirt and other contaminants. If the finished appearance is a primary concern, also remove mold and mildew prior to application of PenaShield. If detergents or cleaners are used to prepare the surface, thoroughly rinse and allow surface to dry prior to application of PenaShield.

Maintenance of Treated Surfaces

Apply PenaShield every 1 to 5 years to exterior unfinished bare wood surfaces. Interior surface treatments of existing wood are considered permanent and do not require reapplication or coating except in situations involving repeated moisture contact or high humidity, such as shower stalls, bathhouses, saunas, etc. Any additional installed wood must be treated. Protection may be extended by coating/painting treated wood with a water-resistant finish such as paint or exterior stain. Although a wide variety of paints and

stains have been successfully used over PenaShield-treated wood, it is always a good idea to coat a small section of treated wood with the finish to be used and check for compatibility prior to complete application. Allow PenaShield-treated wood to completely dry (at least 24 hours) before applying any protective finish and apply protective finish within 2 weeks of treatment.

Cleanup

Use soap and water to clean up tools.

Application Instructions

Apply PenaShield only to bare wood or to wood surfaces where an intact water-repellent barrier is not present. PenaShield is a ready-to-use product. Either brush-apply directly from the container or apply with a low-pressure garden-type sprayer. Small wooden items may also be treated by dipping. Return unused product to original container and seal tightly. Always clean and/or flush equipment and lines with water after use. When applying more than one coat, wait at least 20 minutes between applications. No immersion or dip soaking necessary.

Treatment	Application Notes
Exterior and interior wood preservation	Apply one coat of this product to all exposed sides of wood at the rate of 1 gallon to 150 to 250 square feet of wood surface area. Actual coverage will vary depending upon the surface texture and porosity of the wood being treated. Apply a second coat to wood thicker than one 1 inch.
Exterior wood treatment to control active infestations	In cases of very active infestation or where there is a risk of structural failure, consult a professional pest control operator to ensure full and proper application. Apply this product to the point of runoff to all infested wood. Always apply 2 coats to all surfaces. In areas where access is limited to 1 or 2 sides of a wood member, apply multiple coats of this product to the exposed surfaces. Treat infested wood by spraying all surfaces and/or injecting this product into beetle holes, termite and carpenter ant galleries and decay pockets. Apply 2 coats to all surfaces. In cases where the infestation is not accessible from the surface, drill small holes into the wood to gain access to insect galleries or infested areas. Inject enough solution to completely flood the infested area.
Interior wood treatment to control active infestations	Treat infested basements and crawl spaces by applying 2 coats of this product to all wood surfaces including sill plates, piers, girders, subfloors, floor joists and any wood exposed to vertical access from the soil. Apply multiple coats of this product to wood where access is limited to 1 or 2 sides of wood members such as sills and plates on foundation walls. Apply at a rate of approximately 1 gallon of this product per 100 square feet of crawl space or basement floor area (approximately 200 sq. ft. of wood surface area). Treat infested studs and headers in wall voids by spraying or misting this product into voids and channels in infested wood and/or through small holes drilled into baseboard areas or adjacent to the wood to be treated. Space holes no more than 16" apart. Drill at least 1 hole between each wall stud when treating base plates. Use sufficient amount of material to cover all areas to the point of runoff. Note: If insulation is present in the wall void, it must be removed prior to treatment. If necessary, first remove dry wall or paneling and then the insulation. Spray studs and headers with this product, allow to dry, then replace insulation and wall. Apply 2 coats to all surfaces. Treat infested attics by spraying all accessible wood surfaces including roof sheathing, ceiling joists, rafters and top plates to the point of runoff. Apply 2 coats to all surfaces. Apply at the rate of 1 gallon of this product per 200 square feet of wood surface area.
Preventative treatment against listed insects for protection of new wood	Treat wood paneling, lumber, plywood and other wood surfaces/structures either as received from the lumberyard, during the construction process, or upon completion of construction. Apply while the wood surface is most accessible. Liberally apply 1 coat of this product to all exposed sides of lumber or plywood. For lumber thicker than 1 inch, apply a second coat after the first has been absorbed. Do not use as a preventative treatment for new construction in Florida.

Note: When spraying attics or overhead interior areas, cover all surfaces below the area being sprayed with plastic sheeting to prevent damage to ceiling boards, insulation or other materials. Do not apply in food serving areas while food is exposed.

Storage and Disposal

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

Pesticide Storage: Store in a dry place. Do not store where children or animals may gain access. Protect from freezing. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Management:** Non-refillable container; do not reuse or refill this container. Offer for recycling, if available, or reconditioning, if appropriate; otherwise, call your local solid waste agency for disposal instructions. Promptly triple rinse (or equivalent) container 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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

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 the 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact (800) 424-9300 for emergency medical treatment information.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

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. To the extent not prohibited by applicable law, **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 use of this product. Lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions, abnormal conditions, the presence of other materials, climatic conditions, the manner of application or other factors, all of which are beyond the control of the Manufacturer. The buyer/user assumes all such risks.

Limitation of Remedies

To the extent not prohibited by applicable law, 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.

To the extent not prohibited by applicable law: a) 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; and b) **IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMIT, HEALTH RELATED DAMAGES OR INJURIES.** The terms of this **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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