



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	<u>91.5%</u>
Total	100.0%

EPA Reg. No. 64405-5

EPA Est. 64405-TN-1

U.S. Patent Nos. 5,104,664; 5,460,816; 5,645,828; 6,426,095; 6,630,174

Keep Out of Reach of Children
CAUTION
See booklet for additional precautionary statements.

NISUS CORPORATION
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Prevents Wood Decay

Fully Penetrates Wood

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

Apply to All Untreated Bare Wood Surfaces!

Preserves/Protects Wood and Prevents Wood Decay (Wet and Dry Rot) to Wood Structures and Materials as well as wood Components of Homes, Apartment Buildings, Cabins, Log Homes, Outbuildings (Barns, Sheds, Coops, Garages, etc.), Office Buildings, Decks, Fences, Flooring, Gazebos, Furniture, Cabinets, Shelves, Doors, Handrails, Picnic Shelters, Bath Houses, Saunas, Logs, Beams, Timber, Dimensional Lumber, Plywood, Paneling, etc.

PenaShield is a Ready-to-Use Formula of the Patented Product Used by Pest Control Operators

- Colorless
- Low Toxicity

Eliminates existing infestations and provides long-term protection against wood destroying organisms such as:

Wood Rot (Wet and Dry Rot) Decay Fungi Anobiid Beetles	Subterranean Termites Old House Borers	Drywood Termites Longhorn Beetles	Powderpost Beetles Carpenter Ants
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DIRECTIONS FOR USE

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

Safe Handling Procedures

Spills and over-spray may be cleaned with a damp cloth or absorbed 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.

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 two (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. This product may be brush applied directly from the container or applied 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 this product to all exposed sides of wood at the rate of one (1) gallon to 150 to 250 square feet of wood surface area (one coat). 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 two (2) coats to all surfaces. In areas where access is limited to one (1) or two (2) sides of a wood member, apply multiple coats of this product to the exposed surfaces.
Exterior wood treatment to control active infestations (continued)	Treat infested wood by spraying all surfaces and/or injecting this product into beetle holes, termite and carpenter ant galleries and decay pockets. Apply two (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	<p>Treat infested basements and crawl spaces by applying two (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 one (1) or two (2) sides of wood members such as sills and plates on foundation walls. Apply at a rate of approximately one (1) gallon of this product per 100 square feet of crawl space or basement floor area (approximately 200 sq. ft. of wood surface area).</p> <p>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 one (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 two (2) coats to all surfaces.</p> <p>Treat infested attics by spraying all accessible wood surfaces including roof sheathing, ceiling joists, rafters and top plates to the point of runoff. Apply two (2) coats to all surfaces. Apply at the rate of one (1) gallon of this product per 200 square feet of wood surface area.</p>
Preventative treatment against listed insects for protection of new wood	<p>Wood paneling, lumber, plywood and other wood surfaces/structures may be treated either as received from the lumberyard, during the construction process or upon completion of construction. Apply while the wood surface is most accessible.</p> <p>Liberally apply one (1) coat of this product to all exposed sides of lumber or plywood. For lumber thicker than one (1) inch, apply a second coat after the first has been absorbed.</p>

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. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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 PenaShield 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 (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter is recommended. Clean spills and over-spray with a damp cloth or absorbed with appropriate materials. (Refer to the PenaShield Material Safety Data Sheet for additional health and safety information.)

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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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 AND LIABILITY LIMITATIONS

Except as expressly set forth herein manufacturer makes no warranty, whether expressed or implied, including, without limit, the implied warranties of merchantability and fitness for a particular purpose, both of which are hereby expressly disclaimed. Manufacturer will not be liable for direct, consequential or incidental damages, including without limitation lost profits or any health-related claims, damages or injuries, even if manufacturer is aware of the possibility of these damages occurring. Buyer's sole remedy and manufacturer's sole liability shall be limited solely to product replacement. Further, varying conditions may affect the use and application of the product and manufacturer does not guarantee complete or permanent prevention of decay or insect or fungal infestation.

Questions & Comments:

Call (877) 230-8543 or visit our website at www.penashield.com

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