

64405-8

12-08-2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

December 8, 2010

Kim Davis, Consultant/Agent
Nisus Corporation
c/o RegWest Company, LLC
8203 West 20th St., Suite A
Greely, CO 80634-4696

Subject: Label Amendment—addition of use directions for drain flies and mixing antifreeze for outdoor stump treatments

Product Name: NiBor™ Borate Insecticide and Fungicide

EPA Reg. No.: 64405-8

Application Dated: October 21, 2010

Decision Number: 442069

Dear Ms. Davis:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following label revision provisions:

1. Revise the amended statement on pages 7-8 for addition of anti-freeze as follows:

“To prevent the solution from freezing during cold weather, substitute some or all of the water with the appropriate amount of dilute (not concentrate), propylene glycol based antifreeze that is non-toxic to animals.”

A copy of the label stamped “accepted with comments” is enclosed for your records. You must submit two copies of the final printed label revised in accordance with the comments listed above before the product is released for shipment under this label. If you have any questions, you may contact Clayton Myers at (703) 347-8874 or myers.clayton@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Suarez".

Mark Suarez, Product Manager
Insecticide Branch
Registration Division (7505P)

Enclosure
Stamped Label

(General Use Label)

NiBor™ Borate Insecticide and Fungicide

For the prevention and remedial control of wood* infesting organisms including:
Carpenter Ants, Decay Fungi, Drywood Termites, Termites and Wood Destroying Beetles

*Also for Wood Foam Composite Structural Components

For the Control and Prevention of General Pests

A wood preservative for protection and treatment of lumber [including railroad ties] against fungal decay
and wood destroying insects including termites

For the Control and Prevention of Common Mildew and Fungus
For the Control of Carpet Beetles, Clothes Moths, Mold and Rot in Wool Insulation
For the Control of Annosus Root Disease (*Heterobasidion annosum* (Fr.) Bref.) in Freshly Cut Stumps

For the Control of Ants, Cockroaches, Crickets, Drain Flies and Silverfish
For Both Interior & Exterior Use

Active Ingredient:

Disodium Octaborate Tetrahydrate (CAS No. 12280-03-4) 98%

Other Ingredient* 2%

Total 100%

*Contains 2% H₂O – Absorbed Moisture

EPA Reg. No. 64405-8

EPA Est. 64405-TN-1

ACCEPTED
With COMMENTS
In EPA Letter Dated:
DEC - 8 2010

Net Wt: _____

{ 1 lb bag, 1 lb bottle, 1.5 lb bag, 5 lb pail, 5 lb bag, 15 lb pail, 25 lb pail,
50 lb bag, 250 lb drum 250 lb mini sack, and 1500 lb super sack }

Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:

64405-8

Keep Out of Reach of Children

CAUTION

First Aid

If Swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor 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 Inhaled:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for further 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 further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.</p>	

(Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.)

[See Booklet for First Aid and additional Precautionary Statements]

[See side panel for First Aid and additional Precautionary Statements]

[Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)]

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing dust. Thoroughly wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate; butyl, nitrile, neoprene and natural rubbers \geq 14 mils; polyethylene; polyvinyl chloride; and viton \geq 14 mils. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators, mixers and other handlers must wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and protective eyewear. When applying this product in confined spaces, provide ventilation or an exhaust system; or use a NIOSH-approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C); or use a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH-approved respirator with any N, R, P or HE prefilter.

Engineering Controls Statement

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides {40 CFR 170.240(d)(4-6)} the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet;
- Remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing;
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

{Product packaged in containers of 50 pounds or larger will bear the following Environmental Hazards statements:}

Environmental Hazards

This pesticide is toxic to fish and wildlife. 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.

{Product packaged in containers less than 50 pounds will bear the following Environmental Hazards statements:}

Environmental Hazards

This pesticide is toxic to fish and wildlife. 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 cleaning equipment or disposing of equipment washwaters.

NOTICE

Read and understand the entire label before using.

Use only according to label directions.

Before buying or using this product, read the **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 the **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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box apply only to users of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- coveralls
- waterproof gloves
- shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries or in greenhouses.

General Insect Control

Product Information

NIBOR is a water soluble inorganic borate salt with insecticidal properties effective against general pests, including the target pests listed below. Apply as a liquid solution, mop solution, foam or dust. Use as a remedial treatment to

kill and control existing infestations or as a preventative treatment for possible future infestations of general pests such as, but not limited to, those listed below:

Roaches (including German, Brown-banded, Smokey Brown, Brown, American, Australian and Oriental Roaches), **Silverfish, Earwigs, Crickets** (including House Crickets, Field Crickets and Camel Crickets), **General Ants** (including Argentine, Thief, Little Black, Pavement, Odorous House, Crazy and Ghost Ants), **Carpenter Ants, Boxelder Bugs, Cluster Flies, Centipedes and Millipedes.**

Use **NIBOR** as a dust or liquid crack, crevice, void and spot treatment for the control and prevention of general pests, such as ants, crickets, earwigs, roaches and silverfish. Use only as a crack and crevice treatment in food areas of food handling establishments, restaurants or other places where food is commercially prepared or processed. Do not use in edible product areas of these food-handling establishments. Do not use in serving or other food areas while food is exposed. Do not contaminate feed and foodstuffs. **Applications of this product in the food areas of food handling establishments other than as a crack and crevice treatment are not permitted.**

Use **NIBOR** in homes, restaurants, markets, schools, warehouses, factories, offices, hotels, hospitals, nursing homes, garages, grocery stores, apartment buildings, new construction, industrial plants, theaters, ships, trains, trucks, yachts, mobile homes, buses, zoos, kennels, military bases, libraries, utilities and on railroad ties. Apply **NIBOR** only in areas inaccessible to children and pets. **Do not use NIBOR for flea control.**

Note: Spraying water on some wood species can mobilize natural wood extractives, raise the grain and leave behind calcium or other deposits. Prior to treating large areas, treat a small area with **NIBOR** solution to ensure that you are satisfied with the final aesthetics.

Preparation of a Treatment Solution

15% NIBOR Liquid Solution: To prepare solution, add approximately 80% of the required volume of water to the mixing vessel. While stirring, gradually add 1.5 pounds of **NIBOR** for each gallon of treating solution required. Add remaining water to the solution and stir until the entire product has dissolved. Use this solution as soon as possible and do not store for an extended length of time.

Wash and rinse all equipment after each use.

Application Instructions

NIBOR Application as a Dust: Dust **NIBOR** into wall voids, cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators, behind baseboards and storage shelves to kill and prevent infestations of ants, crickets, cockroaches, silverfish and other insect pests and arthropods. No powder should be visible after application. Remove or brush any powder visible after application into cracks and crevices.

NIBOR Application as a Liquid: Apply **NIBOR** 15% liquid solution as a crack and crevice, void and spot treatment to kill and control infestations of ants, crickets, cockroaches, earwigs and silverfish. Apply **NIBOR** 15% liquid solution into cracks and crevices, void areas, between elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases and areas where insects hide. Do not introduce the material into the air. Apply the **NIBOR** 15% liquid solution for general insect control as a spot treatment to outside areas of structures around windows, doorframes and other areas where insect pests may enter. Product may leave a light residue on dark surfaces. Residual effects of **NIBOR** will last longer in areas protected from weather and elements.

Note: Do not apply **NIBOR** liquid solutions in conduits, motor housings, junction boxes, switch boxes or other electrical equipment because of possible shock hazard.

Directions for Applying NIBOR as a Mop Solution: Add 8 ounces of **NIBOR** to each gallon of rinse water. Apply to floor areas only for the supplemental control of pests including ants and cockroaches. Make only enough for each

application. This is to be used as a supplemental treatment in conjunction with other pest management practices and may be reapplied as necessary. Remove or brush any powder visible after application into cracks and crevices. Do not contaminate feed and foodstuffs. Pour up to one quart of mop solution into each floor drain at the end of the work day to control drain fly populations.

Directions for Applying NIBOR to Control Mildew and Fungus (Except in California): Mix **NIBOR** at the rate of 8 ounces of powder to 1 gallon of water. In areas affected by mildew and fungus, apply to certain surfaces to kill and control mildew and fungus in conjunction with conventional moisture control practices such as repairing leaking structural components or pipes, lowering interior humidity levels and, where possible, providing adequate ventilation. Apply as a spot treatment to affected surfaces including baseboards and wall areas. **DO NOT APPLY NIBOR TO CARPET AREAS.** Reapply as necessary.

Wood Treatment Product Information

NIBOR is a water soluble, inorganic borate salt with insecticidal and fungicidal properties effective against wood-destroying organisms including the target pests listed below. Apply **NIBOR** as a liquid solution, powder or foam. **NIBOR** is an effective treatment for wood (and wood-foam composite structural components) to kill and prevent infestations of decay fungi including white rot, brown rot (i.e., *Poria*) and wet rots. This product may be used for preventative treatment (before signs of infestation), for wood in existing structures and for remedial treatment of infested wood in existing structures. This product may also be used for pre-treatment of wood before or during the construction process. **NIBOR** is also effective for the prevention and control of wood destroying insects such as, but not limited to, the following organisms:

Subterranean Termites (*Reticulitermes*, *Heterotermes*, *Coptotermes* (Formosan)), **Drywood Termites** (*Kaloterms*, *Incisitermes*), **Dampwood Termites** (*Zootermopsis*), **Powderpost Beetles** (*Lycinae*, *Bostrichidae*), **Deathwatch and Furniture Beetles** (*Anobiidae*), **Old House Borers**, **Longhorned Beetles** (*Cerambycidae*), **Carpenter Ants** (*Camponotus*), **Bark and Timber Beetles** (*Scolytidae*).

NIBOR is recommended for wood and cellulose material in accordance with the specific treatment methods described herein. **NIBOR** 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 the soil. Types of wood include, but are not limited to, all types of lumber, logs and plywood. This product kills wood-destroying organisms. Some etching of treated wood may occur from organisms before they die. Do not apply **NIBOR** to wood or cellulose material that has been painted, varnished or sealed. For best results, apply **NIBOR** to bare wood. Use soap and water to clean application equipment.

Note: Spraying water on some wood species can mobilize natural wood extractives, raise the grain and leave behind calcium or other deposits. Prior to treating large areas, treat a small area with **NIBOR** solution to ensure that you are satisfied with the final aesthetics.

Preparation of Treatment Solutions

10% NIBOR Liquid Solution: To prepare solution, add approximately 80% of the required volume of water to the mixing vessel. While stirring, gradually add 1.0 pound of **NIBOR** for each gallon of treating solution required. Add remaining water to the solution and stir until the entire product has dissolved.

15% NIBOR Liquid Solution: Prepare solution as above, but gradually add 1.5 pounds of **NIBOR** for each gallon of treatment solution needed. [To prepare solution, add approximately 80% of the required volume of water to the mixing vessel. While stirring, gradually add 1.5 pounds of **NIBOR** for each gallon of treating solution required. Add

remaining water to the solution and stir until the entire product has dissolved.] Use this solution as soon as possible and do not store for an extended length of time.

15% NIBOR Foam: Prepare a 15% liquid solution as described above and also add a surfactant-foaming agent. Generally 1-2 ounces of a foaming agent, added to the 15% liquid solution, produces a dry foam with the desired expansion ratio of approximately 20 to 1 (20 gallons of foam per 1 gallon of liquid solution). The **NIBOR** foam should be of a "dry" consistency that adheres to wood surfaces so that run-off is minimized. A "wet" foam may damage wallboard or other building components. Refer to the individual foam equipment manufacturer's manual and the surfactant's label for specific instructions.
Wash and rinse all equipment after each use.

Product Application Instructions

NIBOR as a Liquid Solution: **NIBOR** liquid applications may be made to wood structures including decks, fences, steps, sheds, barns and other outbuildings. On wood with drier than normal moisture content, apply by brush or spray two applications of a 10% solution to wood surfaces. On wood with normal moisture content, apply by brush or spray one application of a 15% solution to wood surfaces. Application may also be made by drilling and then injecting the solution under pressure into sound wood or into the insect galleries of infested wood. **NIBOR** may be applied as a foam to wood surfaces or injected into wall voids or insect galleries.

Remedial and Preventative Treatment

NIBOR Solutions for the Control of Wood Destroying Organisms and to Kill Active Infestations of Termites, Powderpost Beetles and Wood Decay Fungi: For remedial control of wood attacking organisms or for the protection of wood against future infestations, two applications of a 10% liquid solution are required. One application of a 15% liquid solution may be used. Apply **NIBOR** solutions by brush or spray at the rate of 5 gallons of liquid solution per 1000 square feet of wood surface area. Thoroughly wet wood surface area. Application may also be made by drilling and then injecting the liquid solution under pressure into sound wood or until run-off is observed coming from entry/exit holes of infested wood.

NIBOR Powder to Kill and Control Wood Destroying Organisms, such as Termites and Carpenter Ants: Apply **NIBOR** as is to wood members by drilling and injecting the powder into galleries or by dusting generously on wood surfaces. **NIBOR** powder can also be injected or dusted into wall voids such as between studs, block voids, box sills, eaves, attics, soffits, etc. Apply **NIBOR** powder to these areas at the rate of 0.5 ounce (12-14 grams) per square foot. **NIBOR** powder can also be injected or dusted into utility poles at a rate of 0.25 pound per cubic foot of area to be treated.

NIBOR Foam: In wall voids, inject enough dry foam to contact wood surfaces of studs in the wall or the entire desired target area. Apply foam, where possible, to abutting wood surfaces and between wood joints. Apply the foam so that all accessible wood surfaces are covered with foam. **NIBOR** foam can also be injected into insect galleries until run-off is observed.

Wood Treatment During Construction for Prevention of Wood Destroying Organisms: Spray, foam or powder applications of **NIBOR** may be made to wood. Apply a **NIBOR** liquid solution to all accessible surfaces of bare wood at a rate of approximately 5 gallons per 1000 square feet of wood surface area. Apply after framing and roofing are in place and before insulation and drywall are installed. Do not spray electrical components or other non-wood components. Treat end-cuts of wood by application methods listed above, or by dipping end-cuts for 1-5 minutes in a **NIBOR** 10% liquid solution. Apply powder applications of **NIBOR** after framing and roofing are in place and before insulation and drywall are installed. Apply powder at the rate of 0.5 ounce (12-14 grams) per square foot to wall stud areas, box sills, roof eaves, attics and soffits.

Protect newly treated wood from excessive rain or moisture.

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Dip-Diffusion Treatment

Preparation of Solutions: To prepare solutions described below, add water to the tank to approximately 80% of the volume of solution required. Raise water temperature to the desired level and, with good agitation, gradually add the calculated amount of **NIBOR**. Add remaining water to the solution and agitate for an additional 10 minutes to ensure that all of the product has dissolved. The temperature of the solution should be maintained during treatment. Upon cooling some borate may crystallize out of the solution, but will redissolve when the solution is heated for the next treatment session. In very cold weather, provide some heating or insulation to prevent solidification in the bottom of the tank. Cover the tank when not in use to prevent contamination and evaporation.

Suggested Conditions and Solution Strengths for Dip-Diffusion

Lumber Thickness	Pounds of NiBor per Gallon of Solution	Solution Temperature	Diffusion Complete In
Up to 1 inch (2.5 cm)	1.40	105°F (40°C)	2 to 4 weeks
1 to 1.75 inches (2.5 to 4.0 cm)	1.80	120°F (50°C)	4 to 6 weeks
1.75 to 2.5 inches (4.0 to 6.5 cm)	2.50	130°F (55°C)	4 to 6 weeks
2.5 to 3 inches (6.5 to 7.5 cm)	2.80	135°F (57°C)	6 to 8 weeks
Lumber over 3 inches (7.5 cm) in thickness or over 5 inches (12.5 cm) in width should be dipped twice, 24 to 72 hours apart.			

Dip-Diffusion Method of Application: Dip freshly-cut lumber in a tank containing a hot liquid solution of **NIBOR** for 2 to 5 minutes. After dipping, stack the newly treated wood and store under a tarpaulin or shed roof to slow the drying process and prevent wash-off by rainfall, thus improving penetration. Diffusion of the wood preservative into the interior of the wood will start immediately and will require several weeks to thoroughly penetrate the lumber, depending on the species and thickness of wood. The dip-diffusion method of treatment can result in complete penetration throughout the cross-sectional area of treated lumber.

Pressure Treatment

Pressure treatment of wood should result in a retention of 0.25 lb./ft.³ to 0.3 lb./ft.³ [cu. ft.] (4.02 kg/m³ to 4.8 kg/m³) **NIBOR** in the assay zone specified in American Wood Preservers Association (AWPA) Standard C-31 for waterborne preservatives. The concentration of the solution must be adjusted to give the correct retention for wood species and size being treated; in general, solutions are in the range of 1-2% (0.1-0.2 lb./gal.) w/v. Consult Standards C-1 and C-2 of the AWPA Book of Standards regarding treatment times, pressures and temperatures necessary for various wood species.

Cut clean wood to dimension, dry to less than 25% moisture (as oven dry weight) and sticker before treating. If several species are being treated at once, choose the treatment schedule for the most difficult to treat species. If both sapwood and heartwood are included, use the schedule for heartwood to ensure adequate loading.

For Wool Insulation and Woolen Carpets/Materials Treatment Against Clothes Moths, Carpet Beetles and Fungi (Mold and Rot)

Use a 5% to 10% active solution (1/2 to 1 pound **NIBOR** per gallon of water) in the final rinsing bowl of scouring and treat wet wool by immersion prior to drying and carding. Alternatively, **NIBOR** may be applied by spray to dry wool products. Heated water improves wool fiber penetration. In both cases the minimum target retention on a dry weight basis is 1% to 5% boron to control fungi and insect infestation (beetles and moths).

For Annosus Root Disease Control

NIBOR Solutions to Control Annosus Root Disease (*Heterobasidium annosum* (Fr.) Bref.) to Treat the Top of Freshly Cut Stumps in Forests and Plantings: Dilute **NIBOR** to a 5% active solution by thoroughly mixing 1/2 pound **NIBOR** per gallon of water. To prevent the solution from freezing during cold weather, substitute some or all

of the water with the appropriate amount of dilute (not concentrate) antifreeze. Using a mechanical harvester, back-pack sprayer or hand-held sprayer, apply solution to the surfaces of freshly cut stumps immediately or within 3 days of felling. Apply to the point of wetness. A rate of one gallon solution per 200 square feet of stump surface area will treat 200 to 1,000 stumps, depending on stump size. Marker dye may be added to the solution as a visual treatment aid.

{For containers labeled for household/domestic use:}

Storage and Disposal

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

Pesticide Storage: Store in a dry place. Do not store where children or animals may gain access. **Container Management:** Non-refillable container; do not reuse or refill this container. **If empty:** Place container 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.

{For non-refillable containers labeled for occupational use:}

Storage and Disposal

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

Pesticide 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 an approved waste disposal facility. **Container Management:** Non-refillable container; do not reuse or refill this container. Completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment; then offer for recycling, if available; or dispose of in a sanitary landfill; or, if allowed by state and local authorities, by incineration.

{For non-rigid refillable containers labeled for occupational use:}

Storage and Disposal

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

Pesticide 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 an approved waste disposal facility. **Container Management:** Refillable container; refill this container with only NiBor. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Before final disposal, completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment; then offer container for recycling, if available; or dispose of container in a sanitary landfill; or, if allowed by state and local authorities, by incineration.

{For rigid refillable containers labeled for occupational use:}

Storage and Disposal

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

Pesticide 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 an approved waste disposal facility. **Container Management:** Refillable container; refill this container with only NiBor. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with a pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times, then offer container for recycling, if available; or reconditioning, if appropriate; or dispose of container in a sanitary landfill; or, if allowed by state and local authorities, by incineration.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.}

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, Fitness for a Particular Purpose or Any Other Express or Implied Warranty.**

Inherent Risks of Use

The directions for use of this product are believed to be adequate and must be carefully followed. 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 or the manner of use/application, 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.



Nisus Corporation

100 Nisus Drive • Rockford, TN 37853
(800) 264-0870



The World's Leader in Borate Technology.

© _____
Made in the U.S.A.

[] Denotes alternate/optional language
{ } Denotes language that will not appear on market labeling

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(Professional (PCO) Label)



NIBOR™* Borate Insecticide and Fungicide

A preservative for protection and treatment of wood against fungal decay and wood destroying insects including termites

For the prevention and remedial control of wood** infesting organisms including: Termites, Drywood Termites, Wood Destroying Beetles, Fungi and Carpenter Ants

**Also for Wood Foam Composite Structural Components

Active Ingredient:

Disodium Octaborate Tetrahydrate (CAS No. 12280-03-4) 98%

Other Ingredient+ 2%

Total 100%

+Contains 2% H₂O – Absorbed Moisture

{Product Name} and the House Design trademark are registered trademarks of U.S. Borax Inc. and are used under license. Nisus is a registered trademark of Nisus Corporation.

EPA Reg. No. 64405-8

EPA Est. 64405-TN-1

Net Wt: _____

{1 lb bag, 1 lb bottle, 1.5 lb bag, 5 lb pail, 5 lb bag, 15 lb pail, 25 lb pail, 50 lb bag, 250 lb drum 250 lb mini sack, and 1500 lb super sack}

Keep Out of Reach of Children

CAUTION

First Aid

If Swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor 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 Inhaled:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for further 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 further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.</p>	

(Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.)

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing dust. Thoroughly wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate; butyl, nitrile, neoprene and natural rubbers \geq 14 mils; polyethylene; polyvinyl chloride; and viton \geq 14 mils. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators, mixers and other handlers must wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and protective eyewear. When applying this product in confined spaces, provide ventilation or an exhaust system; or use a NIOSH-approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C); or use a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH-approved respirator with any N, R, P or HE prefilter.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet;
- Remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing;
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

{Product packaged in containers of 50 pounds or larger will bear the following Environmental Hazards statements:}

Environmental Hazards

This pesticide is toxic to fish and wildlife. 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.

{Product packaged in containers less than 50 pounds will bear the following Environmental Hazards statements:}

Environmental Hazards

This pesticide is toxic to fish and wildlife. 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 cleaning equipment or disposing of equipment washwaters.

NOTICE

Read and understand the entire label before using.

Use only according to label directions.

Before buying or using this product, read the **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 the **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.

Product Information

NIBOR is a water soluble, inorganic borate salt with insecticidal and fungicidal properties effective against wood-destroying organisms including the target pests listed below. Apply **NIBOR** as a liquid solution, powder or foam. **NIBOR** is an effective treatment for wood (and wood-foam composite structural components) to kill and prevent infestations of decay fungi including white rot, brown rot (i.e., *Poria*) and wet rots. This product may be used for preventative treatment (before signs of infestation), for wood in existing structures and for remedial treatment of infested wood in existing structures. **NIBOR** is also effective for the prevention and control of wood destroying insects such as, but not limited to, the following organisms:

Subterranean Termites (*Reticulitermes*, *Heterotermes*, *Coptotermes* (Formosan)), **Drywood Termites** (*Kaloterms*, *Incisitermes*), **Dampwood Termites** (*Zootermopsis*), **Powderpost Beetles** (*Lyctinae*, *Bostrichidae*), **Deathwatch and Furniture Beetles** (*Anobiidae*), **Old House Borers**, **Longhorned Beetles** (*Cerambycidae*), **Carpenter Ants** (*Camponotus*), **Bark and Timber Beetles** (*Scolytidae*)

NIBOR is recommended for wood and cellulose material in accordance with the specific treatment methods described herein. **NIBOR** 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 the soil. Types of wood include, but are not limited to, all types of lumber, logs and plywood. This product kills wood-destroying organisms. Some etching of treated wood may occur from organisms before they die. Do not apply **NIBOR** to wood or cellulose material that has been painted, varnished or sealed. For best results, apply **NIBOR** to bare wood. Use soap and water to clean application equipment.

Note: Spraying water on some wood species can mobilize natural wood extractives, raise the grain and leave behind calcium or other deposits. Prior to treating large areas, treat a small area with **NIBOR** solution to ensure that you are satisfied with the final aesthetics.

Preparation of Treatment Solutions

10% NIBOR Liquid Solution: To prepare solution, add approximately 80% of the required volume of water to the mixing vessel. While stirring, gradually add 1.0 pound of **NIBOR** for each gallon of treating solution required. Add remaining water to the solution and stir until the entire product has dissolved.

15% NIBOR Liquid Solution: Prepare solution as above, but gradually add 1.5 pounds of **NIBOR** for each gallon of treatment solution needed. Use this solution as soon as possible and do not store for an extended length of time.

15% NIBOR Foam: Prepare a 15% liquid solution as described above and also add a surfactant-foaming agent. Generally 1-2 ounces of a foaming agent, added to the 15% liquid solution, produces a dry foam with the desired expansion ratio of approximately 20 to 1 (20 gallons of foam per 1 gallon of liquid solution). The **NIBOR** foam should be of a "dry" consistency that adheres to wood surfaces so that run-off is minimized. A "wet" foam may damage wallboard or other building components. Refer to the individual foam equipment manufacturer's manual and the surfactant's label for specific instructions.

Wash and rinse all equipment after each use.

Application Instructions

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NIBOR as a liquid solution: NIBOR liquid applications may be made to wood structures including decks, fences, steps, sheds, barns and other outbuildings. Such structures must be protected from excess rain. On wood with drier than normal moisture content, apply by brush or spray two applications of a 10% solution to wood surfaces. On wood with normal moisture content, apply by brush or spray one application of a 15% solution to wood surfaces. Application may also be made by drilling and then injecting the solution under pressure into sound wood or into the insect galleries of infested wood. NIBOR may be applied as a foam to wood surfaces or injected into wall voids or insect galleries.

Remedial and Preventative Treatment

NIBOR Solutions for the Control of Wood Destroying Organisms and to Kill Active Infestations of Termites, Powderpost Beetles and Wood Fungi: For remedial control of wood attacking organisms or for the protection of wood against future infestations, two applications of a 10% liquid solution are required. One application of a 15% liquid solution may be used. Apply NIBOR solutions by brush or spray at the rate of 5 gallons of liquid solution per 1000 square feet of wood surface area. Thoroughly wet wood surface area. Application may also be made by drilling and then injecting the liquid solution under pressure into sound wood or until run-off is observed coming from entry/exit holes of infested wood.

NIBOR Powder to Kill and Control Wood Destroying Organisms, Such as Termites and Carpenter Ants: Apply NIBOR as is to wood members by drilling and injecting the powder into galleries or by dusting generously on wood surfaces. NIBOR powder can also be injected or dusted into wall voids such as between studs, block voids, box sills, eaves, attics, soffits, etc. Apply NIBOR powder to these areas at the rate of 0.5 ounce (12-14 grams) per square foot.

NIBOR Foam: In wall voids, inject enough dry foam to contact wood surfaces of studs in the wall or the entire desired target area. Apply foam, where possible, to abutting wood surfaces and between wood joints. Apply the foam so that all accessible wood surfaces are covered with foam. NIBOR foam can also be injected into insect galleries until run-off is observed.

{For containers labeled for household/domestic use:}

Storage and Disposal

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

Pesticide Storage: Store in a dry place. Do not store where children or animals may gain access. **Container Management:** Non-refillable container; do not reuse or refill this container. **If empty:** Place container 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.

{For non-refillable containers labeled for occupational use:}

Storage and Disposal

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

Pesticide 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 an approved waste disposal facility. **Container Management:** Non-refillable container; do not reuse or refill this container. Completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment; then offer for recycling, if available; or dispose of in a sanitary landfill; or, if allowed by state and local authorities, by incineration.

{For non-rigid refillable containers labeled for occupational use:}

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Storage and Disposal

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

Pesticide 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 an approved waste disposal facility. **Container Management:** Refillable container; refill this container with only NiBor. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Before final disposal, completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment; then offer container for recycling, if available; or dispose of container in a sanitary landfill; or, if allowed by state and local authorities, by incineration.

{For rigid refillable containers labeled for occupational use:}

Storage and Disposal

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

Pesticide 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 an approved waste disposal facility. **Container Management:** Refillable container; refill this container with only NiBor. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with a pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times, then offer container for recycling, if available; or reconditioning, if appropriate; or dispose of container in a sanitary landfill; or, if allowed by state and local authorities, by incineration.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.}

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, Fitness for A Particular Purpose or Any Other Express or Implied Warranty.**

Inherent Risks of Use

The directions for use of this product are believed to be adequate and must be carefully followed. 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 or the manner of use/application, 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.**

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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.

△ WARNING △ AVISO

Children can fall into bucket and drown. Keep children away from bucket with even a small amount of liquid.
Niños pueden caer adentro de el balde y ahogarse. Mantenga los niños alejados de los baldes aunque solamente tengan un poco de líquido.



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