



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 7, 2020

Anna Crowder  
Regulatory Affairs Specialist  
Nisus Corporation  
100 Nisus Drive  
Rockford, TN 37853

Subject: Label Amendment – Response to the Zinc Borate Interim Registration Review Decision, Docket Number EPA-HQ-OPP-2007-0675, Mitigation Measures.  
Product Name: ZB-SHIELD ZINC BORATE  
EPA Registration Number: 64405-35  
Application Date: October 6, 2020  
Decision Number: 566740

Dear Ms. Crowder:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Zinc Borate Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the

website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

The following alternate brand names have been added to the product record:

- ZBOR
- ZB-SHIELD
- ZB-Shield Zinc Borate
- ZB-SHIELD Zinc Borate

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Srinivas Gowda by phone at 703-308-6354, or via email at [gowda.srinivas@epa.gov](mailto:gowda.srinivas@epa.gov).

Sincerely,



Jacqueline Hardy  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division 7510P

Enclosure: Stamped Accepted Label

# ZB-SHIELD ZINC BORATE

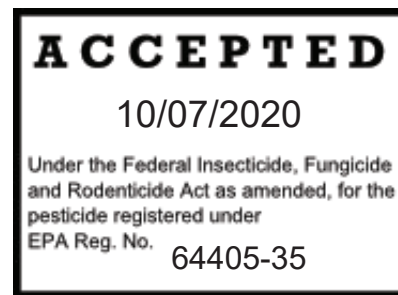
{Alternate Brand Name: ZBOR, ZB-SHIELD, ZB-Shield Zinc Borate, ZB-SHIELD Zinc Borate}

## Active Ingredient:

Zinc Borate..... 99.8%

Other Ingredients ... 0.2%

Total..... 100.0%



**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

[See back panel for precautionary statements]

EPA Registration Number 64405-35

EPA Est. No. \_\_\_\_\_

Net Contents: \_\_\_\_\_

For use as a biocide (fungicide/preservative) additive in the manufacture of wood composites and wood-plastic composites

## First Aid

<b>If in Eyes</b>	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.
<b>If Swallowed</b>	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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>If on Skin or Clothing</b>	Take off contaminated clothing. Rinse the skin immediately with plenty of water for 15 minutes.
<b>If Inhaled</b>	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. 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-XXX-XXXX for emergency medical treatment information.]	

{Note: The first aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

## Personal Protective Equipment (PPE)

Super sack bag handlers involved in opening must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

As of January 1, 2022, the application of zinc borate from super sacks must be accomplished with remotely operated engineering controls that achieve closed loading of zinc borate powder. Once engineering controls are implemented, respirators for handlers of zinc borate super sacks will no longer be required.

## PRECAUTIONARY STATEMENTS

### Hazardous to Humans and Domestic Animals

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### Environmental Hazards

Do not discharge effluent containing this product directly into lakes, streams ponds, estuaries oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the Environmental Protection Agency (EPA)

### 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

#### NOT FOR FOOD OR DRUG USE

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

### Fungicide Applications

ZB-Shield Zinc Borate provides protection from wood destroying fungi for wood composite products used in above ground applications. Typical applications include decay resistant siding, roofing and subflooring. Wood composites treated with ZB-Shield Zinc Borate are not suitable for ground contact, for optimum performance protect with a water repellent coating when used in exterior applications. When ZB-Shield Zinc Borate is used in wood composites it should be uniformly distributed throughout the product to provide its most efficient use.

Use ZB-Shield Zinc Borate in the manufacture of wood and wood-plastic based composites to control the growth of fungi. ZB-Shield Zinc Borate [This product] also helps protect composite materials from damage caused by wood destroying insects. ZB-Shield Zinc Borate [This product] [It] may be used for wood composite materials in above-ground applications and for wood-plastic composites in unprotected, above-ground applications. Add ZB-Shield Zinc Borate prior to or during the blending process in order to achieve a thorough and uniform distribution of zinc borate throughout the composite material. ZB-Shield Zinc Borate loadings must not exceed 8% (w/w). For wood-composite loadings in excess of 1.5% (w/w), it may be necessary to use additional adhesive binder to compensate for possible effects on strength.

ZB-Shield Zinc Borate can also be used in wood plastic composites to protect the wood component of the product. It has also been shown to provide resistance to the growth of molds on the surface of these products at loadings of 3% and greater. The ability of both wood composites and wood plastic composites to resist decay and mold organisms is dependent on the wood type, plastic type, method of production, other additives employed, exposure conditions and the amount of preservative employed.

### 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 Handling:** Non-refillable container. Do not refill or reuse this container for any other purpose. Completely empty bag into application equipment, then offer for recycling, if available, or dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

{Option 1}

### WARRANTY DISCLAIMER

To the extent not prohibited by applicable law, 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 application, all of which are beyond the control of the Manufacturer. To the extent not prohibited by applicable law, the buyer/user assumes all such risk.

### 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) **TO THE EXTENT NOT PROHIBITED BY APPLICABLE LAW, 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.

It is not intended that this product be used to practice any applicable patent, whether mentioned or not, without procurement of a license, if necessary, from the owner, following investigation by the user.

{Option 2}

For a complete and printable Warranty Disclaimer, please visit [www.nisuswarranty.com](http://www.nisuswarranty.com).]



100 Nisus Drive  
Rockford, TN 37853

[(Telephone Number)]

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