

**ZB-SHIELD
Powder**

Biocide, Corrosion Inhibitor and Fire Retardant

COMMERCIAL

For use only as a biocide (fungicide/preservative) additive in the manufacturing of wood *composites*, paints, coatings, plastics, and rubber products.

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT:

Zinc Borate ($2\text{ZnO}\cdot 3\text{B}_2\text{O}_3\cdot 3.5\text{H}_2\text{O}$) 99.6%

REGISTRATION NO. 30625
PEST CONTROL PRODUCTS ACT

Net Contents: 500 - 1134 kg (2500 lbs.)

NISUS CORPORATION
100 Nisus Drive
Rockford, TN 37853
1-800-264-0870

DIRECTIONS FOR USE:

For the manufacturing of paint and coatings, the recommended formulation is 60-120 g/L of ZB- SHIELD. For plastic and rubber applications a loading of 3-30 phr (parts/hundred) of ZB-SHIELD is recommended. For use in the manufacturing of wood composites ZB-SHIELD should be fed as a powder at a minimum rate of 0.75 kg per 100 kg to a maximum of 1.0 kg per 100 kg of wood, adhesive and wax combined. ZB-SHIELD may be used to improve fungal, insect and termite protection of composite board products used in above ground service applications where exposure to rain and other sources of water is limited. Industrial users of the product must be equipped to handle the powdered product using closed systems application equipment ie: screw feeder apparatus.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. May cause eye irritation. Avoid contact with eyes or clothing. Wash thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Do not contaminate food, feed or any body of water. No manual pouring of product is allowed. Use a closed system for mixing and loading.

During mixing, loading, clean-up and repair workers must wear long pants, long-sleeved shirt, chemical-resistant coveralls, chemical-resistant gloves and a NIOSH approved N95 (minimum) filtering face piece respirator (dust mask) that is properly fit tested when mixing and loading ZB-SHIELD as a dust/powder.

Industrial users of the product must be equipped to handle the powdered product using closed system application/loading equipment (i.e. screw feeder apparatus). Bulk containers (1134 kg) must be used.

Treated wood must be sealed or used in locations where post-application exposure will not occur.

FIRST AID:

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 centre or doctor for treatment advice. **If swallowed**, contact a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre 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 inhaled**, 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 centre or doctor for further treatment. Take container, label, or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed. Treat symptomatically.

DISPOSAL:

1. Triple or pressure-rinse the emptied container. Add the rinsings to the treatment site.
2. Follow Provincial instructions for any required additional cleaning of the container prior to disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with Provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the Provincial Regulatory Agency. Contact the manufacturer and the Provincial Regulatory Agency in case of a spill, and for cleanup of spills.

STORAGE:

Store in a cool, dry place away from food or feedstuff, or where children or animals may have access.