



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 18, 2017

Cynthia Ann Smith, Agent
Louisiana-Pacific Corporation
414 Union Street, Suite 2000
Nashville, TN 37219

Subject: Notification per PRN 98-10 – Add address
Product Name: Zinc Borate Biocide
EPA Registration Number: 89807-1
Application Date: 06-21-2017
Decision Number: 531118

Dear Ms. Smith:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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.

If you have any questions, you may contact Tom Luminello at (703) 308-8075 or via email at luminello.tom@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Tom Luminello".

for
Jacquie Hardy, Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510P)

NOTIFICATION

89807-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

07/18/2017

Zinc Borate Biocide For Manufacturing Use Only

INGREDIENTS	
ACTIVE INGREDIENT:	
Zinc Borate (2ZnO·3B ₂ O ₃ ·3.5H ₂ O)*	99.8%
OTHER INGREDIENTS	0.2%
TOTAL	100.0%
* CAS Number 12477-61-9. Concentration is reported on a dry weight basis.	

Louisiana-Pacific Corporation
414 Union Street, Suite 2000
Nashville, TN 37219
EPA Reg. No. 89807-1

Net Weight:
2250 Pounds

EPA Est. No.:

Batch No.:

Batch Date:

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS HAZARDS 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.

FIRST AID	
If in Eyes:	Hold the 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.
If Swallowed:	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.
If on Skin or Clothing:	Take off contaminated clothing. Rinse the skin immediately with plenty of water for 15 minutes.
If Inhaled:	Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
In Case of Emergency: Contact a Poison Control Center (1-800-222-1222) or a doctor. Have product label with you when calling or going for treatment.	

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product to lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution 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.

GENERAL INFORMATION

Zinc Borate Biocide can be used as an additive in the manufacturing of wood-based composites to control the growth of white rot (*e.g., Trametes versicolor*) and brown rot (*e.g., Gloeophyllum trabeum*) decay fungi. Zinc Borate Biocide also helps protect composite materials from damage caused by wood destroying insects. Optimum performance is obtained when Zinc Borate Biocide is uniformly dispersed in wood-based composites. By adding Zinc Borate Biocide prior to or during the blending process, it is possible to achieve a thorough and uniform distribution of the chemical throughout the composite material.

DIRECTIONS FOR USE

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

Zinc Borate Biocide provides protection of wood-based composites from wood destroying bacteria, fungi, and insects. Zinc Borate Biocide may be used in the production of wood-based composites used in the production of:

- Exterior panel siding;
- Exterior lap siding;
- Exterior architectural trim;
- Fascia; and
- Soffits

that have been pre-primed with an exterior acrylic base primer and that are for above ground applications only. Do not use Zinc Borate Biocide for exterior applications other than the listed applications. Do not use Zinc Borate Biocide for below ground applications, or aquatic environment applications. Do not use Zinc Borate Biocide for the production of permitted applications unless the treated product, when released for shipment, has been pre-primed with an acrylic base primer.

The ability of a wood-based composite to resist wood destroying bacteria, fungi, and insects is dependent on the wood species, resin type, resin and wax content, method of production, exposure hazard and the presence of wood preservatives. This product does not provide protection against wood destroying bees.

In independent tests performed in Hawaii on aspen flake wood-composites, Zinc Borate Biocide at a loading of 0.99% (w/w), provided protection against wood destroying bacteria, fungi, and insects. This loading is intended to serve only as a guideline, and the wood-based composite manufacturer must determine the Zinc Borate Biocide loadings for their treated product, end-use application, and claims. Zinc Borate Biocide loadings must not exceed 8% (w/w). For wood-based 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.

Manufacturers that use this product are responsible for supporting all claims for their products. This product may be used to produce products that are exempt from EPA registration under the treated article exemption. Manufacturers that use this product to make products marketed with pesticidal claims are responsible for fulfilling all EPA regulatory requirements for their products.

This product may NOT be repackaged without the written authorization of the manufacturer.

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:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before the final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, triple rinse the container promptly after emptying the bag into manufacturing equipment. Then return to manufacturer for refilling or disposal.

WARRANTY: Neither manufacturer or seller shall be liable for injuries or damages resulting from use and handling of this product contrary to the label. Buyer accepts this material subject to these term and assumes full risk of use and handling except when used or handled in accordance with the label.