



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 2, 2018

Teri Muchow
Senior Manager
Regulatory Affairs, Americas
Arch Wood Protection Inc.
3941 Bonsai Rd.
Conley, GA 30288

Subject: Label and CSF Amendment – New basic CSF to replace current CSFs in addition to additional precautionary label language
Product Name: Permatek 100 Encaps
EPA Registration Number: 72616-8
Application Date: April 27, 2018
Decision Number: 541107; 541106

Dear Ms. Muchow:

The amended label and CSF referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are 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.

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.

Please note that the record for this product currently contains the following CSF:

- Basic CSF dated 04/27/2018

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.

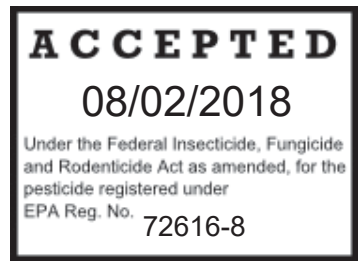
Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Jennifer Gaines at 703-305-5967 or via email at gaines.jennifer@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "EF" followed by a flourish and the word "for".

Elizabeth Fertich, Product Manager 4
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure



[Front Panel]

PERMATEK™ 100 ENCAPS
Timber Insecticide

For the protection of timber and timber based products from damage
by borers and termites

ACTIVE INGREDIENT.

Bifenthrin.....	10.00%
OTHER INGREDIENTS:	90.00%
TOTAL	100.00%

*Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN
WARNING

See side panel for additional precautionary statements.

FIRST AID	
If swallowed	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for 15 to 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. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.	
Note to Physician: Contains petroleum distillate. Vomiting may cause aspiration pneumonia. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and should be avoided.	

Lonza NZ Limited
15 Hudson Road
New Plymouth 4341
New Zealand.

EPA Reg. No. 72616 - 8
EPA Est. No. 72616-NZL-001

NET CONTENTS: _____ GALLONS

BATCH Number: _____

[Side Panels]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. Applicators and other handlers must wear:

- Long sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical resistant gloves, such as butyl rubber or barrier laminate when mixing/loading or when applying using handheld equipment or handheld nozzles.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. 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 discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with 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.

DIRECTIONS FOR USE

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

Intended For Industrial or Commercial Use Only.

Ensure that the spray unit is correctly maintained and that an effective mist extraction system is used. Treated timber must not come into contact with foodstuffs, e.g. use in packing cases or places where food is prepared or stored. DO NOT spray directly on exposed food, utensils or food preparation surfaces.

Wood-based Composite Products

Permatek™ 100 Encaps is for the preservation of wood-based products, such as orientated strand board (OSB), waferboard, fiberboard and particleboard when it is important to prevent insect attack on the composite product. Composite wood treated with Permatek™ 100 Encaps does not change in appearance and may be painted when dry.

Permatek™ 100 Encaps may be applied into a wood composite through a number of methods, including:

- a) **Metering Permatek™ 100 Encaps into the dried wood flakes, fibers, etc. immediately before the blender:** Permatek™ 100 Encaps is then mixed with flakes in the blender. Determine how much flakes/fibers are required to manufacture a cubic yard of composite product and dose Permatek™ 100 Encaps onto the flakes/fibers accordingly.
- b) **Mixing Permatek™ 100 Encaps with the wood flakes in the blender:** Determine how much flakes are required to manufacture a cubic yard of composite product and dose Permatek™ 100 Encaps into the blender accordingly.
- c) **Mixing Permatek™ 100 Encaps with the adhesive or wax which is subsequently applied to the flakes in the blender:** Determine how much adhesive or wax is used to manufacture a cubic yard of composite product and dose Permatek™ 100 Encaps into the adhesive or wax accordingly.
- d) **Applying Permatek™ 100 Encaps to the exterior of composite products after manufacture:** A penetrating agent will aid treatment. Determine the uptake of the desired diluent (e.g. water) and dose the Permatek™ 100 Encaps accordingly.

The method of incorporation of Permatek™ 100 Encaps will depend on the specific manufacturing process and the wood species for the composite. The use level is 0.4 pints to 1.2 pints Permatek™ 100 Encaps per cubic yard of composite product. Important - contact your supplier prior to the dosing of Permatek™ 100 Encaps to ensure the correct use concentration and treating method for the desired wood product and end use market.

Wood-based Veneer Products

For the treatment of plywood and LVL, Permatek™ 100 Encaps may be used to treat the veneers before lay-up by dipping, rolling or spraying. If sprayed, apply as a coarse spray. Alternatively, Permatek™ 100 Encaps may be added to the adhesive prior to application to the veneers.

When treating softwood veneer based products, the suggested use level is 0.4 pints to 1.6 pints of Permatek™ 100 Encaps per cubic yard of wood product.

When treating, some adjustment of use rate may be needed because of the effects; of processing conditions.

Important - contact your supplier prior to the dosing of Permatek™ 100 Encaps to ensure the correct use concentration and treating method for the desired wood product and end use market.

Millwork and Construction Lumber

For the treatment of millwork and construction lumber, Permatek™ 100 Encaps may be used to treat all exposed surfaces by brushing, spraying or dipping. If sprayed, apply as a coarse spray. Apply a 1:20 to 1:40 dilution rate of Permatek™ 100 Encaps in water or other diluent to all surfaces, ensuring complete coverage. Apply to runoff. The use of a penetrating agent may aid treatment.

Millwork and construction lumber treated with Permatek™ 100 Encaps does not change in appearance and may be painted when dry.

STORAGE AND DISPOSAL

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

Storage: Store in a cool, well-ventilated storage area. Store in original container only in a locked place out of reach of children. Protect from freezing.

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 reuse or refill container.

Residue Removal: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container % full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto the other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.