



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 22, 2025

Kathryn Rosario  
Arxada Agent  
Troy Chemical Corporation  
One Avenue L  
Newark, NJ 07105  
Electronic Transmittal: Kathryn.rosario@arxada.com

Subject: Label Amendment – Polymeric Betaine  
Registration Review Interim Decision Risk Mitigation  
Product Name: ProTek PBT  
EPA Registration Number: 5383-210  
Received Date: August 11, 2023  
Action Code Case: 00218724

Dear Kathryn Rosario:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), 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 Polymeric Betaine Registration Review 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 and must be used at your next label printing. Pursuant to 40 CFR 156.10(a)(6) 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 12 months from the date of this letter. After 12 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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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, FIFRA section 12(a)(1)(B). 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 Erin Dandridge by phone at 202-566-0635, or via email at [Dandridge.erin@epa.gov](mailto:Dandridge.erin@epa.gov).

Sincerely,



Kimberly Whitesell  
Senior Environmental Protection Specialist  
Reevaluation Branch  
Antimicrobials Division  
Office of Pesticide Programs

Enclosure: Stamped Label

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Fatal if inhaled. Do not breathe vapor or spray. Harmful if swallowed. Wear a chemical-resistant apron. When handling, wear coveralls, long-sleeved shirt and long pants, socks and chemical-resistant footwear, goggles or face shield, and chemical-resistant gloves (such as barrier laminate or butyl nitrile/neoprene Rubber, PVC, viton at ≥ 14 mils). Follow 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear chemical resistant gloves when handling concentrated chemicals. Wear chemical resistant gloves where dermal contact is expected, such as handling freshly treated wood and manually opening cylinder doors. When entering pressure treatment cylinders or related equipment that is contaminated with treatment solution, wear protective clothing, including chemical resistant overalls, gloves and boots. For overhead exposure wear chemical resistant head gear. Remove contaminated clothing and wash clothing before reuse. Promptly wash hands and skin with soap and water after handling. Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and work shoes or boots and equipment at the plant. Worn-out protective clothing and work shoes or boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with the State and Federal regulations. Applicators and other handlers working with or around concentrate or wood treatment solutions must wear: - Coveralls worn over long-sleeved shirt and long pants; Socks and chemical-resistant foot wear; Protective eyewear; - Chemical resistant gloves (such as barrier laminate, butyl/nitrile/neoprene rubber ≥ 14 mils, PVC ≥ 14 mils, and viton ≥ 14 mils). Clean or replace PPE at the end of each day's work period. Rinse off pesticides at rest breaks. For other options, use natural rubber ≥ 14 mils and polyethylene materials, but clean or replace PPE within an hour or two of contact; - For mixing/loading: Wear a chemical resistant apron; - Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter. See OSHA's Respiratory Protection Standard (29 C.F.R. Part 1910.134) for federal requirements including how to safely fit-test, train, and medically evaluate workers who will be using respirators.

USER SAFETY INSTRUCTIONS:

Applicators must not eat, drink or use tobacco products during those parts of application process that expose them to the wood treatment formulation (e.g. manually opening/closing cylinder doors, moving trams out of cylinders, mixing chemicals and handling freshly treated wood). Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must 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.

ACCEPTED

12/22/2025

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.  
5383-210

For use as a wood preservative for treatment of wood to permanently protect against insects, rot and fungal decay.

ACTIVE INGREDIENTS:

Didecyl-bis(2-hydroxyethyl) ammonium Borate..... 59.6%

OTHER INGREDIENTS. .... 40.4%

TOTAL ..... 100%

FOR COMMERCIAL USE



DANGER

POISON

KEEP OUT OF REACH OF CHILDREN

CORROSIVE TO SKIN AND EYES

IN CASE OF EMERGENCY:

CALL 1-800-424-9300 (CHEMTREC)

Manufactured for/Manufactured by:

Troy Chemical Corporation

One Avenue L, Newark, N.J. 07105

EPA Registration Number	5383-210
EPA Establishment Number	75269-DEU-001

Net Weight:

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates, including oysters and shrimp. 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.

DIRECTIONS FOR USE

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

PROTEK PBT may be used alone or in combination with other EPA approved fungicides, insecticides and preservatives for treatment of lumber and timber against rot, mold, and other wood destroying organisms. When used in combination with copper-ethanolamine solution, the wood treated by the vacuum-pressure process can be used for both above-ground and ground-contact applications. Once treated, the pressure retort vessel must be allowed to equilibrate with the external atmosphere at least 30 minutes before the removal of treated wood. Personnel must wear the appropriate elastomeric half-mask respirator (PF10). Please ask for technical advice before mixing with other products. Concentrate becomes very viscous at low temperatures. PROTEK PBT can be used to treat wood products including millwork, and commercial fencing, shingles and shakes, siding, structural lumber, posts and beams, and wood composite products and engineered products including plywood, LVL, glulam, OSB, and fiber board.

Wood treated with this product can be used in critical infrastructures such as bridges, non-aquatic pilings, utility poles, foundation, and railway ties. This product is not for aquatic uses. Do not treat wood for aquatic uses or use in close proximity to aquatic environments. Application of polymeric betaine products must be conducted using metered or closed loading systems to minimize dermal and inhalation exposure to mixers/loaders/applicators. This includes the use of automatic metering systems and dry lock hose couplings which provide these products into reaction vessels. In the event of equipment malfunction, or for door spacer placement, all personnel located within 15 feet of the cylinder opening prior to cylinder ventilation must wear the following PPE – washable or disposable coveralls over long sleeved shirt and long pants, - chemical resistant gloves, - socks plus industrial grade safety work boots with chemical resistant soles, and – a properly fitting half mask elastomeric respirator with appropriate cartridges and/or filters. Entry to confined spaces is regulated by Federal and/or State Occupational Safety and Health Programs. Compliance is mandated by law. Individuals who enter wood treatment preservative (e.g., cylinders that are not free of the treatment preservative or preservative storage tanks) must wear protective clothing and/or equipment as required by the Federal and/or State Occupational Safety and Health Compliance laws. Do not apply on wood which may come in direct contact with food and animal feed, or in containers for storing food or feed unless surfaces are covered. It is prohibited to use this product to treat wood for residential settings, such as decks or playgrounds. Diluted working solution concentrations must not exceed an application rate of 0.45% by weight of active ingredients. Target Rate of Retention: Calculated on the basis of polymeric betaine, the target rate of retention is 0.05-2.2 kg/m<sup>3</sup> in pressure treated wood. For pressure vacuum applications, the diluted working solution concentrations fall within the range of 0.05% to 0.45% by weight of polymeric betaine. The wide concentration range is for different applications (low concentration for above ground. contact, high concentrations for critical infrastructure) and for different wood species. Wood species that are more difficult to treat, such as Douglas fir and hem-fir, need higher concentrations than pine species, such as Southern Yellow Pine. This product is not for use in beehives. It is prohibited to use this product for sapstain control. Diluted treatment solutions may be reused. Replenish solution levels as necessary using fresh treatment solution of the same concentration.

*See accompanying product information sheet for additional directions for use.*

STORAGE AND DISPOSAL

**Do not contaminate water, food, or feed by storage or disposal.**  
**PESTICIDE STORAGE:** Store in an appropriate container, such as iron or steel. Keep container tightly sealed. Protect from extreme heat or cold.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide concentrate, diluted solution, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State pesticide or environmental control agency or the hazardous waste representative at the nearest EPA regional office for guidance.  
**Intermediate Bulk Containers (IBC's):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Pressure rinse (or equivalent) promptly after emptying. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinse nozzle into the opening on the top of the container, and rinse at about 40 PSI for at least 30 seconds. Open the drain valves on the bottom of the container to drain the rinsing water. Drain for 10 seconds after the flow begins to drip.  
**ISO Containers, Tankers Return:** Refillable container. Refill this container with ProTek PBT only. Do not reuse this container for any other purpose. Return empty shipping container to the supplier/distributor or the shipping company after offloading Polymeric Betaine at the customer's site.



***Product Information Sheet***

***ProTek PBT***

***EPA Reg. No. 5383-210***

*This document must accompany each shipment of ProTek PBT*

**DIRECTIONS FOR USE**

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

**When applying to Composite Wood:** Application of polymeric betaine products must be conducted using metered or closed loading systems to minimize dermal and inhalation exposure to mixers/loaders/applicators. This includes the use of automatic metering systems and dry lock hose couplings which provide these products into reaction vessels.

**MIXING INSTRUCTIONS**

**Dilution:** When PROTEK PBT is used as a stand alone preservative or in combination with other preservatives, it is diluted to a concentration of 0.05% to 0.45% by weight of polymeric betaine in water before use PROTEK PBT may be used in a tank mix with other EPA approved wood preservatives

Target Rate of Retention: Calculated on the basis of polymeric betaine, the target rate of retention is 0.05-2.2 kg/m<sup>3</sup> in pressure treated wood. For pressure vacuum applications, the diluted working solution concentrations fall within the range of 0.05% to 0.45% by weight of polymeric betaine. The wide concentration range is for different applications (low concentration for above ground. contact, high concentrations for critical infrastructure) and for different wood species. Wood species that are more difficult to treat, such as Douglas fir and hem-fir, need higher concentrations than pine species, such as Southern Yellow Pine.

It is prohibited to use this product to treat wood for residential settings, such as decks or playgrounds.

TROY CHEMICAL CORPORATION  
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