



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 1, 2025

Kathryn Rosario
Sr. Regulatory Specialist
Troy Chemical Corporation
c/o Arxada
412 Mt. Kemble Ave
Suite 200S
07960 Morristown, NJ
Electronic Transmittal: Kathryn.rosario@arxada.com

Subject: Label Amendment – Polymeric Betaine
Registration Review Interim Decision Risk Mitigation
Product Name: ProTek PT2
EPA Registration Number: 5383-221
Received Date: August 11, 2023
Decision Number: 593446

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 Interim Registration Review 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.

Sincerely,



Eric Miederhoff
Chief, Reevaluation Branch
Antimicrobials Division
EPA Office of Pesticide Programs

Enclosure: Stamped Label

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER [PELIGRO]

Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear the proper Personal Protective Equipment as specified below. Wash thoroughly with soap and water after handling before eating, drinking and chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: Goggle or face shield; Coveralls over long sleeved shirt and long pants; Socks and chemical resistant footwear; Chemical-resistant gloves (such as Barrier Laminate, Butyl nitrile/Neoprene Rubber, PVC, or Viton >14 mils); A minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastometric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powdered air purifying respirator with a HE filter. 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 Requirements

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

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.

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none">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 Center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">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:	<ul style="list-style-type: none">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 SWALLOWED	<ul style="list-style-type: none">Call a Poison Control Center or doctor immediately 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.
HOT LINE NUMBER: For chemical emergency assistance (spill, leak, fire or accident) call CHEMTREC at 1-800-424-9300. Have the product container with you when calling a Poison Control Center or doctor or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

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.

ProTek™ PT2
Wood Preservative

Wood Preservative for wood and wood structures used in millwork, in-ground and ground contact uses and for protection of wood against wood destroying insects.

FOR COMMERCIAL USE

ACTIVE INGREDIENT:	.....	% Weight
Didecyl-bis(2-hydroxyethyl) ammonium Borate	.....	50.5%
PROPICONAZOLE:	.....	5.0%
TEBUCONAZOLE:	.....	5.0%
INERT INGREDIENTS	.....	39.5%
TOTAL	.....	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER [PELIGRO]

See Side Panel for Additional Precautionary Statements and First Aid Statements

[If you do not understand the label, find someone to explain it to you in detail.]
[Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.]

ACCEPTED

12/01/2025

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No
5383-221

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 Reg. No.	5383-221
EPA Establishment Number	5383-NJ-001

Net Weight:

WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as presence of other materials of use or application, which are beyond the control of the manufacturer. The manufacturer shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label. In no case shall the manufacturer be liable for consequential, special, punitive, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The manufacturer makes no warranties of merchantability nor fitness for a particular purpose nor any other express or implied warranty except as stated above. Buyer's exclusive remedy and the manufacturer's exclusive liability, whether in contract, tort, negligence, strict liability or otherwise, shall be limited to repayment of the purchase price of ProTek PT2. KR11202025

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
For full description of directions for use, refer to accompanying product information sheet. Read entire directions prior to using ProTek PT2

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not attempt to use without having the necessary safety equipment. Diluted working solution concentrations must not exceed an application rate of 0.45% by weight of active ingredients. Diluted treatment solutions may be reused. Replenish solution levels as necessary using fresh treatment solution of the same concentration. Target Rate of Retention: Calculated on the basis of polymeric betaine, the target rate of retention is 0.05-2.2 kg/m 3 in pressure treated 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.

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.

Use ProTek PT2 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 fiberboard. Application methods include dip/immersion with or without vacuum and/or pressure, spray, and flood coat.

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. 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. **This product is not for use in beehives. It is prohibited to use this product to treat wood for residential settings, such as decks or playgrounds. It is prohibited to use this product for sapstain control.**

Wood Products Intended for Above Ground and Ground Contact: ProTek PT2 may be used for the preservation of wood intended for above-ground and/or ground contact, such as Ponderosa pine, Scots pine, Southern yellow pine, beech, oak, birch, and other wood species susceptible to decay by rotting fungi. Such uses include railway sleepers, fence posts, poles, horticultural posts, etc. Wood preserved with ProTek PT2 alone does not change in appearance and may be painted when dry.

ProTek PT2 may be applied to wood by dissolving in a suitable diluent and adding auxiliaries such as: water and/or organic solvents, emulsifiers, fixating agents, paraffin wax or resins, additional active ingredients (to protect against fungi and/or insects), dyestuffs, pigments, penetration improvers and other auxiliaries.

The method of incorporation of ProTek PT2 will depend on the specific treating process and wood species to be treated and intended use of the treated wood. The amount of ProTek PT2 per cubic foot of wood needed on uptake during the process depends on whether used alone or with co-biocide.

ProTek PT2 may be applied by dip/immersion, spray/flood coat, double vacuum or pressure treatment methods. Diluted working solution concentrations must not exceed an application rate of 0.45% by weight of active ingredients. Diluted treatment solutions may be reused. Replenish solution levels as necessary using fresh treatment solution of the same concentration.

Dip/Flood: For dip/immersion and/or flood coat treatment, wood must be used only for aboveground uses. Immerse or coat the wood completely until enough solution has been absorbed to meet the requirements for the end use conditions. Use treatment procedures consistent with the equipment being used and standard treatment practices.

Double Vacuum: For double vacuum treatment, stack the wood in the treatment vessel so that it will remain submerged. The amount of ProTek PT2 per cubic foot of wood needed on uptake during the process depends on whether used alone or with co-biocide. Pull vacuum of -10 inches for five minutes. Fill the vessel, allow the pressure to return to atmospheric and discharge preservative solution. Pull a vacuum of -20 inches and maintain for twenty minutes. Return to atmospheric pressure and drain preservative.

Pressure Treatment: The use level of ProTek PT2 per cubic foot of wood needed on uptake during the process depends on whether used alone or with co-biocide. Low dosage when ProTek PT2 is used in combination with other biocides or as a co-fungicide and high dosage when ProTek PT2 is used as a stand-alone fungicide or as a major co-fungicide. 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).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in an appropriate container, such as iron or steel. Keep container tightly sealed. Protect from extreme heat and cold.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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.
CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:
For containers > 5 gallons in size – Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ fill 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 its 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 puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.
For Intermediate Bulk Containers: 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.