



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 26, 2020

Patti Golick
Troy Chemical Corp. c/o
Troy Corporation
8 Vreeland Road
Florham Park, New Jersey 09732

Subject: Notification per PRN 98-10 – *Adding optional brackets to the advisory statement*
Product Name: Polymeric Betaine EP
EPA Registration Number: 5383-210
Application Date: 01/13/2020
Decision Number: 559531

Dear Ms. Golick:

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 Stacey Grigsby at 703.305.6440 or via email at grigsby.stacey@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Stacey Grigsby".

Stacey Grigsby
Regulatory Risk Manager, 34
Regulatory Management Branch II
Antimicrobials Division (7510P)

Polymeric Betaine EP

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

FOR COMMERCIAL USE

NOTIFICATION

5383-210

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:

02/26/2020

ACTIVE INGREDIENTS -

Didecyl-bis(2-hydroxyethyl) ammonium borate.....	59.6%
Other ingredients.....	40.4%
Total	100.00%

EPA Reg. No.

5383-210

EPA Establishment Number

5383-NJ-001



DANGER

POISON

KEEP OUT OF REACH OF CHILDREN

CORROSIVE TO SKIN AND EYES

[See Side Panel for Additional Precautionary Statements]

IN CASE OF EMERGENCY: CALL CHEMTREC 1-800-424-9300

Net Weight:

[Manufactured for: / Produced by:]

Troy Chemical Corporation

One Avenue L, Newark, N.J. 07105

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 in open system, 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 \geq 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.

USER SAFETY RECOMMENDATIONS

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 cylinders 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 \geq 14 mils, PVC \geq 14 mils, and viton \geq 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 \geq 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

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.

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. • 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.
Have the product container or label 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.

DIRECTIONS FOR USE

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

POLYMERIC BETAINE EP [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.

Please ask for technical advice before mixing with other products. Concentrate becomes very viscous at low temperatures.

POLYMERIC BETAINE EP [PROTEK PBT] can be used to treat wood products including millwork, decking and 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.

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.

Diluted treatment solutions may be reused. Replenish solution levels as necessary using fresh treatment solution of the same concentration.

MIXING INSTRUCTIONS

Dilution: When POLYMERIC BETAINE EP [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 0.9% by weight of polymeric betaine in water before use. POLYMERIC BETAINE EP [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/m³ in pressure treated wood. For pressure vacuum applications, the diluted working solution concentrations fall within the range of 0.05% to 0.9% 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.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide 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 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 Polymeric betaine EP [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 [ProTek PBT] at the customer's site.

NOTICE OF 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 Polymeric Betaine EP [ProTek PBT].