A wood preservative for vacuum-pressure treatment of wood to permanently protect against insects, rot and fungal decay. **ProTek TWN**

**EPA Reg. No.** 5383-211  
**EPA Establishment Number** 90850-GBR-001

**ACTIVE INGREDIENT:** Copper ethanamine complex (CAS # 14215-52-2)* 30.12%  
**OTHER INGREDIENTS** 69.88%  
**TOTAL** 100.00%

**METALLIC COPPER EQUIVALENT - 10.31%**

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**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Causes moderate eye irritation. Harmful if swallowed or if inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist or vapor.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicants and other handlers working with or around concentrate or wood treatment solutions must wear:

- Coveralls worn over long-sleeved shirt and long pants
- Stocks and chemical-resistant foot wear
- Protective eyewear
- Chemical resistant gloves (such as barrier laminate, butylnitrile/neoprene rubber ≥ 14 mils, PVC ≥ 14 mils, and nitrile ≥ 214 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 prefiltro approved for pesticides (MSHA/NIOSH approval number prefix TC-14C), or a N95 respirator with an organic vapor (OV) cartridge or canister with any N, R, P or H filter prefix.

Follow manufacturer’s instructions for clearing/maintaining PPE. If no such instructions for washwaters or rinsate. Do not wear PPE immediately after handling this product. Wash the hands immediately after washing/rinsing. Do not remove PPE immediately after wearing protective clothing.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Keep from freezing (above 40°F) in a tightly closed container. Store in a cool dry area.

**Hazardous Waste:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsewater 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. **RETAILER DISPOSAL:** Retail mini-bulk containers with pesticide only. Do not reuse these containers for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Clean to prevent drift during the field application. To clean the container for final disposal, empty the remaining contents from the container into the mix tank. Fill the container about 10 percent full with water. Recycle water with the pump for two minutes. Then add the rinse water to a rinsate collection system or to the mix tank as diluent. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning, or purchase and dispose of in a sanitary landfill or, if allowed by state and local regulation, in a landfill designed for the disposal of wastes that are classified as hazardous waste. **WARRANTY STATEMENTS:** Troy Chemical Corporation warrants that this product complies with the specifications expressed on the label. To the extent consistent with applicable law, Troy Chemical Corporation makes no other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for the intended purpose.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates and may contaminate water through runoff or by direct application. Do not contaminate water when disposing of equipment washwater or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewerage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**CHEMICAL HAZARDS**

This product, and its diluted solutions, are not compatible with non-ferrous heavy metals such as zinc, copper, brass and galvanized equipment. Cement trowels must not be used. This product is not compatible with certain commercial water preservative salts. Please ask for technical advice before mixing with other products. Concentrate becomes very viscous at low temperatures and will freeze at or below 23°F (−5°C).

**DIRECTIONS FOR USE**

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

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. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Use ProTek TWN to control all types of fungal decay of wood products - brown, white and rot - and wood-eating insects including termites. Use ProTek TWN to treat wood products that will be exposed to conditions favorable to rot, decay, or insect attack both above ground and in ground, or in water. Types of products include lumber, timbers, landscape ties, fence posts, building and utility poles, land, freshwater and marine piling, seas walls, decking, and wood shingles.

Tank mix ProTek TWN with compatible water preservative registered products by the EPA for use as wood preservatives. Apply the tank mixed solution to wood by vacuum-pressure impregnation. The concentration of the treatment solution used will be based on the retention, in pounds per cubic foot (pcf), specified by the purchaser and the treating process used. Diluted treatment solutions, may be reused. Repeat solution levels as necessary using fresh treatment solution of the same concentration. A 3% solution can be used to field coat the cut ends of pressure-treated wood by brush-on application.

See accompanying product information sheet for additional rates and directions for use.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FOR COMMERCIAL USE**

See Side Panel for Additional Precautionary Statements

**IN CASE OF EMERGENCY:**

**CALL 1-800-424-9300 (CHEMTREC)**

**FIRST AID**

**IF IN EYES:**

- 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 SWALLOWED:**

- 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 INHALED:**

- Move person to fresh air.
- If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth.
- 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 15-20 minutes.
- 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 for going to treatment.

**WARRANTY STATEMENTS:**

Troy Chemical Corporation warrants that this product complies with the specifications expressed on the label. To the extent consistent with applicable law, Troy Chemical Corporation makes no other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for the intended purpose.

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**IF INHALED:**

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Product Information Sheet

ProTek TWN, EPA Reg. No. 5383-211

This document must accompany each shipment of ProTek TWN

DIRECTIONS FOR USE

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

MIXING INSTRUCTIONS

When ProTek TWN is used as a stand-alone preservative or in combination with other preservatives, it is diluted to a total active ingredient concentration of 0.4 to 4.0% by weight, depending on the wood species and the desired preservative retention in the treated wood. Examples of suitable wood preservatives that can be tank mixed with ProTek TWN include "Polymeric Betaine EP" (EPA Reg. No. 5383-210) and "Carboquat WP-50" (EPA Reg. No. 6836-304).

POLYMERIC BETAINE EP EXAMPLE: When this product is tank mixed with ProTek TWN, the ratio of polymeric betaine to copper (as copper oxide) should be maintained at 1:2.1 by weight. See the following mixing table for details.

<table>
<thead>
<tr>
<th>Solution Strength% Active</th>
<th>Component Balance Actives Basis(%)</th>
<th>To Mix 1000 Gallons Solution Combine Following Gallons of</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CuO</td>
<td>Betaine</td>
</tr>
<tr>
<td>0.40%</td>
<td>0.271%</td>
<td>0.129%</td>
</tr>
<tr>
<td>0.60%</td>
<td>0.406%</td>
<td>0.194%</td>
</tr>
<tr>
<td>0.80%</td>
<td>0.542%</td>
<td>0.258%</td>
</tr>
<tr>
<td>1.00%</td>
<td>0.677%</td>
<td>0.323%</td>
</tr>
<tr>
<td>1.50%</td>
<td>1.016%</td>
<td>0.484%</td>
</tr>
<tr>
<td>2.00%</td>
<td>1.355%</td>
<td>0.645%</td>
</tr>
<tr>
<td>2.50%</td>
<td>1.694%</td>
<td>0.806%</td>
</tr>
<tr>
<td>3.00%</td>
<td>2.032%</td>
<td>0.968%</td>
</tr>
<tr>
<td>3.50%</td>
<td>2.371%</td>
<td>1.129%</td>
</tr>
<tr>
<td>4.00%</td>
<td>2.710%</td>
<td>1.290%</td>
</tr>
</tbody>
</table>

CARBOQUAT WP-50 EXAMPLE: When this product is tank mixed with Carboquat WP-50, the ratio of quaternary amines (DDAC) to copper (as copper oxide) should be maintained at 1:2 by weight. See the following mixing table for details.
**Product Information Sheet**  
ProTek TWN, EPA Reg. No. 5383-211  
This document must accompany each shipment of ProTek TWN

## Mixing Table for Tank Mix ProTek TWN and Carboquat WP-50

<table>
<thead>
<tr>
<th>Solution Strength %</th>
<th>Component Balance</th>
<th>To Mix 1000 Gallons Solution Combine Followina Gallons of</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Actives Basis (%)</td>
<td>ProTek TWN</td>
</tr>
<tr>
<td>Active</td>
<td>CuO</td>
<td>DDAC</td>
</tr>
<tr>
<td>0.40%</td>
<td>0.267%</td>
<td>0.133%</td>
</tr>
<tr>
<td>0.60%</td>
<td>0.400%</td>
<td>0.200%</td>
</tr>
<tr>
<td>0.80%</td>
<td>0.533%</td>
<td>0.267%</td>
</tr>
<tr>
<td>1.00%</td>
<td>0.667%</td>
<td>0.333%</td>
</tr>
<tr>
<td>1.50%</td>
<td>1.000%</td>
<td>0.500%</td>
</tr>
<tr>
<td>2.00%</td>
<td>1.333%</td>
<td>0.667%</td>
</tr>
<tr>
<td>2.50%</td>
<td>1.667%</td>
<td>0.833%</td>
</tr>
<tr>
<td>3.00%</td>
<td>2.000%</td>
<td>1.000%</td>
</tr>
<tr>
<td>3.50%</td>
<td>2.333%</td>
<td>1.167%</td>
</tr>
<tr>
<td>4.00%</td>
<td>2.667%</td>
<td>1.333%</td>
</tr>
</tbody>
</table>

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