**Total Wood Preservative (TWP)**

**Use TWP for these exterior wood applications:**
- Rough Sawn Cedar
- Siding
- Porch Decking
- Fences
- Shingles
- Shakes
- Shutters
- Fascia

**Preserves Natural Wood Color**

**EASY APPLICATION**

**REPELS WATER LONGER**

**IMPROVED FORMULATION**

**MILDewing RESISTANT**

**PREVENTS WOOD ROT**

**350 g/l MAX VOC FORMULA**

**Directions for Use:**

1. Thoroughly clean wood using TWP 1500 Wash. It is recommended to use the shop vacuum hosed mode to clean out any holes and crevices in the wood. Next, wash the wood using a solution of 1 part household bleach to 1 part water. The bleached surface should be thoroughly rinsed with water, power washed and then allowed to dry a minimum of 48 hours in good drying conditions before finish coat application.

2. Apply TWP when the temperature is 50-90°F. Do not apply TWP when rain is expected within 48 hours of application. After aging, wood should be cleaned with a solution of 1 part household bleach to 1 part water. The bleached surface should be thoroughly rinsed with water, power washed and then allowed to dry a minimum of 48 hours in good drying conditions before finish coat application.

3. New wood should be allowed 6 to 12 months of natural weathering before finish coat application. After aging, wood should be cleaned with a solution of 1 part household bleach to 1 part water. The bleached surface should be thoroughly rinsed with water, power washed and then allowed to dry a minimum of 48 hours in good drying conditions before finish coat application.

4. Unprotected old wood is typically various shades of gray to black due to mildew and ultraviolet screening pigments which prevent the premature deterioration of wood. TWP 1500 Clear does not contain any ultraviolet screening pigments.

**General Precautions and Restrictions**

- **Personal Protection:** Wear chemical resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber and viton) and protective clothing to prevent exposure to the material. If the material comes into contact with the skin, flush with water. If material gets into the eyes, flush with water for 15 minutes, then continue rinsing eye. If material gets into the mouth, rinse mouth and then try to spit out material. If material enters the respiratory system, seek medical attention immediately.

- **Disposal:** Wastes resulting from the use of this product may be disposed of in accordance with the rules of the federal and state regulatory agencies or as allowed by state and local authorities, by burning, sanitary landfill or incineration or if allowed by state and local authorities, by burning.

- **Storing:** Store in an area that is cool and dry. Do not contaminate water, food, or feed by storage and disposal. Close container after each use. DO NOT THIN OR TINT TWP. DO NOT APPLY TWP TO SEALED OR WET WOOD.

**Exposure to Formamide and Formaldehyde**

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Irritation</td>
</tr>
<tr>
<td>Eyes</td>
<td>Irritation</td>
</tr>
<tr>
<td>Respiratory System</td>
<td>Irritation</td>
</tr>
</tbody>
</table>

**Hazardous Components**

- **Formaldehyde**
- **Formamide**

**Components:**

- **Formaldehyde**
- **Formamide**

**Pesticide Disposal:**

- **Commercial Users –** Pesticide Disposal: Wastes resulting from the use of this product may be disposed of in accordance with the rules of the federal and state regulatory agencies or as allowed by state and local authorities, by burning, sanitary landfill or incineration or if allowed by state and local authorities, by burning.

- **User Safety Recommendations**

  - If burned stay out of smoke.
  - Sanitary landfill or incineration or if allowed by state and local authorities, by burning.
  - If pesticide gets inside. Then wash thoroughly with soap and water.
  - Take off contaminated clothing.
  - Call a poison control or doctor for further treatment advice.

**Physical and Chemical Hazards**

- **Pharmacodynamics:**
  - **Inhalation:** No data available.
  - **Ingestion:** No data available.
  - **Skin:** No data available.
  - **Eye:** No data available.

**Immunological Hazards:**

- **Skin allergy:** No data available.
- **Respiratory allergy:** No data available.
- **Inhalation allergy:** No data available.

**Environmental Hazards:**

- **Groundwater:** No data available.
  - **Surface Water:** No data available.

**Inhalation Threshold Limit Values:**

- **Formaldehyde:** 0.75 ppm
- **Formamide:** 0.75 ppm

**Sensitization and Local Anaphylaxis:**

- **Skin:** No data available.
- **Eye:** No data available.
- **Respiratory System:** No data available.
- **Gastrointestinal Tract:** No data available.

**Teratogenicity:**

- **Mammals:** No data available.
- **Reproductive Toxicity:** No data available.

**Carcinogenicity:**

- **NTP/FAO/ IARC:** No data available.
- **OSHA:** No data available.
- **Cal/OSHA:** No data available.
- **California Proposition 65:** No data available.

**Toxicological Summary**

- **Acute Oral LD₅₀:** No data available.
- **Acute Intravenous LD₅₀:** No data available.
- **Acute Intraperitoneal LD₅₀:** No data available.
- **Acute Intramuscular LD₅₀:** No data available.
- **Acute Inhalation LC₅₀:** No data available.
- **Acute Cutaneous LD₅₀:** No data available.
- **Acute Skin LD₅₀:** No data available.
- **Acute Eye LD₅₀:** No data available.
- **Direct Contact LD₅₀:** No data available.
- **Dermal LD₅₀:** No data available.
- **Vapour Exposure:** No data available.
- **Sensitization:** No data available.
- **Local Anaphylaxis:** No data available.
- **Genotoxicity:** No data available.
- **Mutagenicity:** No data available.
- **Carcinogenicity:** No data available.
- **Reproductive Toxicity:** No data available.
- **Other Toxicity:** No data available.

**Disclaimer of Warranty**

Gemini makes no warranty concerning this product, whether express or implied, including the warranties of merchantability and fitness for a particular purpose. Gemini disclaims all responsibility and liability, direct or indirect, arising from the use or application of this product in whole or in part. Buyer or user assumes all risk and liability for the use of this product.Gemini shall not have any liability to any person by reason of any injury or damage to persons or property directly or indirectly caused by the use or application of this product, or any part thereof, if such use or application is contrary to Gemini’s recommendations. Any claim by Buyer or user against Gemini for damages or injury shall be limited to the purchase price of the product. The buyer and the sole liability of Gemini for any claims shall be limited to the buyer’s purchase price of the product. Gemini shall not be held liable for any injuries or damages to persons or property resulting from the use of this product if the use or application is contrary to Gemini’s recommendations.
TWP® is a penetrating system and is not designed to build a film. Only apply TWP® to properly prepared, clean, dry absorbent, bare wood. Properly applied, TWP® will dry uniformly flat with no glossy areas. Only apply TWP® to untreated new wood or to previously finished wood properly unless old finish is removed.

METHOD OF APPLICATION

For first coat, apply spray, brush, applicator pad, pump, or airless sprayer. For subsequent coats, TWP® may be sprayed, brushed, or applied with a pump sprayer. If spray applied, TWP® should be mixed thoroughly before and occasionally during application. After aging, wood should be cleaned with a solution of 1 part household bleach to 1 part water and should be thoroughly rinsed with water.* The bleached surface should be thoroughly rinsed with water, power washed and then allowed to dry a minimum of 48 hours in good drying conditions before applying TWP®. If the wood is exposed to weather, TWP® application must be delayed until the wood is dry. One coat of TWP® is sufficient for vertical surfaces. Only one coat is needed when finish is applied at saturation rate, as indicated on the product label. For new wood, the second coat of TWP® should be applied within 15 minutes of the first coat. For previously finished wood properly unless old finish is removed, a second coat should be applied within 15 minutes of the first coat. Typically, a two coat application using this wet on wet method is adequate. If used to seal new wood, two coats should be applied with the first coat applied according to the wet on dry application method. Proper application ensures that wood contamination is controlled and that colorants and preservatives do not streak or run. The treatment depth of TWP® increases the longer it is left on the wood surface. Material that remains on the wood surface 30-60 minutes after the application of the final coat with a spray pressure washer or brush should be cleaned with a solution of 1 part household bleach to 1 part water. Antifouling formulation included to reduce mildew contamination; 4% active biocide to reduce moss and algae contamination (not designed for swimming pools). These biocides do not reduce waterborne contamination. If swimming pool is not treated by TWP®, algae may develop; use TWP® Antifouling to prevent algae development. Use TWP® Antifouling 10 days out of season, when pool is not in use. Bleach is also helpful in reducing waterborne contamination by a factor of 4 to 6 times. After aging, a weak bleach solution (1 part household bleach to 1 part water) may be used to clean vertically mounted materials (e.g., columns). In case of accidental spillage of TWP®, wash immediately with plenty of water. No special equipment or disposal equipment required.