

PENTACHLOROPHENOL  
PRESSURE TREATMENT USE

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Pencil  
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RESTRICTED USE

For sale to and use only for by certified applicators or by persons under their supervision and only for those uses covered by the certified applicator's certification.

Product name: PENWAR 1-5  
Wood Preservative Concentrate

Ingredient statement:

ACTIVE INGREDIENTS:	
Technical Pentachlorophenol	25.6%
INERT INGREDIENTS:	74.4%
TOTAL	100.0%

Keep Out of Reach of Children  
Danger

Statement of Practical Treatments

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Flush with plenty of water. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

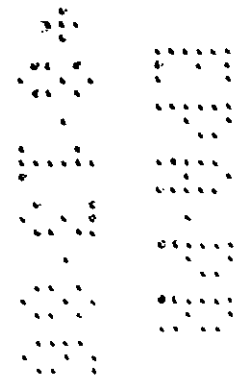
If inhaled: Remove victim to fresh air. Get medical attention.

NOTE TO PHYSICIAN: This product is a metabolic stimulant. Causes hyperthermia. Treat symptomatically.

Refer to additional precautionary information elsewhere on the label under the heading "Precautionary Statements: Hazards to Humans and Domestic Animals".

Forshaw Chemicals, Inc.  
650 State Street  
Charlotte, NC 28208  
EPA registration number: 7234-16  
Establishment number: 7234-NC-2  
Net Contents:

ACCEPTED  
OCT 17 1986  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under:  
EPA Reg. No. 7234-16



**Precautionary Statements: Hazards to Humans and Domestic Animals**

**Danger:** May be fatal if swallowed, inhaled, or absorbed through skin. Causes skin and eye irritation. Causes delayed chemical burns. Do not get in eyes, on skin or on clothing. Do not breathe vapors, spray mist, or dust. Use with adequate ventilation. Do not take internally. Wash thoroughly after skin contact, before eating, drinking, use of tobacco products, or using restrooms.

The U.S. EPA has determined that pentachlorophenol can produce defects in the offspring of laboratory animals. Exposure to pentachlorophenol during pregnancy should be avoided.

For prilled or flaked formulations of pentachlorophenol:

Until August 31, 1987, a closed emptying and mixing system must be used or protective clothing (including respirator, gloves, and long-sleeved shirts and long pants or disposable coveralls) must be worn when emptying and mixing powder formulations of pentachlorophenol. After September 1, 1987, a closed system must be used when emptying and mixing powder formulations of pentachlorophenol. A closed system is defined as any containment which prevents the release of subject chemicals into the surrounding external environment, except that release of incidental amounts of chemical during equipment loading and periodic clean-out or maintenance operations shall not be deemed a breach of containment.

Applicators must not eat, drink, or use tobacco products during those parts of the application process that may 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).

Applicators must wear gloves impervious to the wood treatment formulations in all situations where dermal contact is expected (e.g., handling freshly treated wood and manually opening cylinder doors).

Individuals who manually open cylinder doors must wear gloves and a respirator.

Individuals who enter pressure treatment cylinders and other related equipment that is contaminated with wood treatment formulation (e.g., cylinders that are in operation or are not free of the treatment solution) must wear protective clothing (including overalls, jackets, gloves, and boots) impervious to the wood treatment formulation, and a respirator.

Protective clothing must be changed when it shows signs of contamination. Launder non-disposable protective clothing separately from other household clothing. Worn-out protective clothing and workshoes or boots must be left at the treatment plant and disposed of in any general landfill, in the trash, or in any other manner approved for pesticide disposal.

NOTE TO USER: As used on this label, the term "respirators" means properly fitting, well-maintained, half-mask canister or cartridge

respirators which are MSHA/NIOSH-approved for polynuclear aromatics and organic vapors. Examples of acceptable materials for protective clothing (e.g., gloves, overalls, jackets, and boots) required during application and handling of pentachlorophenol are polyvinyl acetate (PVA), polyvinyl chloride (PVC), neoprene, NBR (Buna-N), and nitrile. In addition, plastic-coated disposable coveralls impervious to dust are acceptable for dust protection.

### Environmental Hazards

This product is toxic to fish and wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

### Physical and Chemical Hazards

Do not use or store near heat or open flame. Close container after each use.

### Directions for Use

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

Agitate contents of this container before diluting. To prepare a ready-to-use solution of a water repellent wood preservative mix one (1) gallon of PENWAR CONCENTRATE (1.5) with five (5) gallons of Mineral Spirits, Fed. Spec. TT-T-291 - Thinner, Paint, Volatile, Mineral Spirits Solutions, mixed as recommended above, will comply with Fed. Spec. TT-W-572 for Wood Preservative, Water Repellent Composition A. For pressure treatment of wood and wood products.

### Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Storage: This material should be stored as a pesticide. Warm solution to 65 degrees F before use.

Pesticide disposal: Pesticide wastes are toxic. 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 disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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## CONSUMER INFORMATION SHEET

### CONSUMER INFORMATION

This wood has been preserved by pressure treatment with an EPA-registered pesticide containing pentachlorophenol to protect it from insect attack and decay. Wood treated with pentachlorophenol should be used only where such protection is important.

Pentachlorophenol penetrates deeply into and remains in the pressure-treated wood for a long time. Exposure to pentachlorophenol may present certain hazards. Therefore, the following precautions should be taken when handling the treated wood and in determining where to use or dispose of the treated wood.

### USE SITE PRECAUTIONS FOR PENTACHLOROPHENOL PRESSURE-TREATED WOOD

Logs treated with pentachlorophenol should not be used for log homes.

Wood treated with pentachlorophenol should not be used where it will be in frequent or prolonged contact with bare skin (for example, chairs and other outdoor furniture), unless an effective sealer has been applied.

Pentachlorophenol-treated wood should not be used in residential, industrial, or commercial interiors except for laminated beams or building components which are in ground contact and are subject to decay or insect infestation where two coats of an appropriate sealer are applied. Sealers may be applied at the installation site.

Wood treated with pentachlorophenol should not be used in the interiors of farm buildings where there may be direct contact with domestic animals or livestock which may crib (bite) or lick the wood.

In interiors of farm buildings where domestic animals or livestock are unlikely to crib (bite) or lick the wood, pentachlorophenol-treated wood may be used for building components which are in ground contact and are subject to decay or insect infestation if two coats of an effective sealer are applied. Sealers may be applied at the installation site.

Do not use pentachlorophenol-treated wood for farrowing or brooding facilities.

Do not use treated wood under circumstances where the preservative may become a component of food or animal feed. Examples of such sites would be structures or containers for storing silage or food.

Do not use treated wood for cutting-boards or countertops.

Only treated wood that is visibly clean and free of surface residue should be used for patios, decks and walkways.

Do not use treated wood for construction of those portions of beehives which may come into contact with the honey.

Treated wood should not be used where it may come into direct or indirect contact with public drinking water, except for uses involving incidental contact such as docks and bridges.

Do not use pentachlorophenol-treated wood where it may come into direct or indirect contact with drinking water for domestic animals or livestock, except for uses involving incidental contact such as docks and bridges.

HANDLING PRECAUTIONS FOR PENTACHLOROPHENOL PRESSURE-TREATED WOOD

Dispose of treated wood by ordinary trash collection or burial. Treated wood should not be burned in open fires or in stoves, fireplaces, and residential boilers because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial or industrial use (e.g., construction sites) may be burned only in commercial or industrial incinerators or boilers rated at 20 million BTU/hour or greater heat input or its equivalent in accordance with state and federal regulations.

Avoid frequent or prolonged inhalation of sawdust from treated wood. When sawing and machining treated wood, wear a dust mask. Whenever possible, these operations should be performed outdoors to avoid indoor accumulations of airborne sawdust from treated wood.

Avoid frequent or prolonged skin contact with pentachlorophenol-treated wood; when handling the treated wood, wear long sleeved shirts and long pants and use gloves impervious to the chemicals (for example, gloves that are vinyl-coated).

When power-sawing and machining, wear goggles to protect eyes from flying particles.

After working with the wood, and before eating, drinking, and use of tobacco products, wash exposed areas thoroughly.

If oily preservative or sawdust accumulate on clothes, launder before reuse. Wash work clothes separately from other household clothing.

Urethane, latex epoxy enamel, shellac, and varnish are acceptable sealers for all pentachlorophenol-treated wood.

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PENTACHLOROPHENOL  
NON-PRESSURE TREATMENT PLANT USE

RESTRICTED USE

For sale to and use only for by certified applicators or by persons under their supervision and only for those uses covered by the certified applicator's certification.

Product name: PENWAR 1-5  
Wood Preservative Concentrate

Ingredient statement:

ACTIVE INGREDIENTS:

Technical Pentachlorophenol 25.6%

INERT INGREDIENTS:

74.4%

TOTAL

100.0%

Keep Out of Reach of Children  
Danger

Statement of Practical Treatments

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Flush with plenty of water. Get medical attention.

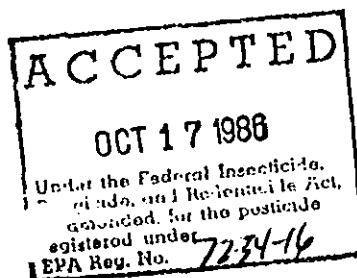
If on skin: Wash with plenty of soap and water. Get medical attention.

If inhaled: Remove victim to fresh air. Get medical attention.

NOTE TO PHYSICIAN: This product is a metabolic stimulant. Causes hyperthermia. Treat symptomatically.

Refer to additional precautionary information elsewhere on the label under the heading "Precautionary Statements: Hazards to Humans and Domestic Animals".

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Precautionary Statements: Hazards to Humans and Domestic Animals

Danger: May be fatal if swallowed, inhaled, or absorbed through skin. Causes skin and eye irritation. Causes delayed chemical burns. Do not get in eyes, on skin or on clothing. Do not breathe vapors, spray mist, or dust. Use with adequate ventilation. Do not take internally. Wash thoroughly after skin contact, before eating, drinking, use of tobacco products, or using restrooms.

The U.S. EPA has determined that pentachlorophenol can produce defects in the offspring of laboratory animals. Exposure to pentachlorophenol during pregnancy should be avoided.

For prilled or flaked formulations of pentachlorophenol:

Until August 31, 1987, a closed emptying and mixing system must be used or protective clothing (including respirator, gloves, and long-sleeved shirts and long pants or disposable coveralls) must be worn when emptying and mixing powder formulations of pentachlorophenolate. After September 1, 1987, a closed system must be used when emptying and mixing powder formulations of pentachlorophenolate. A closed system is defined as any containment which prevents the release of subject chemicals into the surrounding external environment, except that release of incidental amounts of chemical during equipment loading and periodic clean-out or maintenance operations shall not be deemed a breach of containment.

For the spray method of application:

Spray apparatus must (1) be operated so as to minimize overspray (i.e., no visible mist) and (2) be free of leaks in the system. Should there be a visible mist, spray applicators in the vicinity of the apparatus (the zone in which the mist is visible) must wear a respirator and protective clothing (including overalls, jackets, gloves, boots, and head covering) impervious to the wood treatment formulation and goggles.

Individuals who enter, clean, or repair vats, tanks or related equipment that is contaminated with wood treatment solution must wear a respirator. In addition, where dermal is exposed, these individuals must wear overalls, jackets, boots, head covering impervious to the wood treatment formulation, and goggles.

Protective clothing must be changed when it shows signs of contamination. Launder non-disposable protective clothing separately from other household clothing. Worn-out protective clothing and workshoes or boots must be left at the treatment plant, and disposed of in any general landfill, in the trash, or in any other manner approved for pesticide disposal.

Applicators must not eat, drink, or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation.

Applicators must wear gloves impervious to the wood treatment formulation in all situations where dermal contact is expected (for example, during the application process and when handling freshly treated wood).

Do not apply to logs used in construction of log homes.

NOTE TO USER: As used on this label, the term "respirators" means properly fitting, well-maintained, half-mask canister or cartridge respirators which are MSHA/NIOSH-approved for polynuclear aromatics and organic vapors. Examples of acceptable materials for protective clothing (e.g., gloves, overalls, jackets, and boots) required during application and handling of pentachlorophenol are polyvinyl acetate (PVA), polyvinyl chloride (PVC), neoprene, NBR (Buna-N), and nitrile. In addition, plastic-coated disposable coveralls impervious to dust are acceptable for dust protection.

Environmental Hazards

This product is toxic to fish and wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical and Chemical Hazards

Do not use or store near heat or open flame. Close container after each use.

Directions for Use

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

Agitate contents of this container before diluting. To prepare a ready-to-use solution of a water repellent wood preservative mix one (1) gallon of PENWAR CONCENTRATE (1.5) with five (5) gallons of Mineral Spirits, Fed. Spec. TT-T-291 - Thinner, Paint, Volatile, Mineral Spirits Solutions, mixed as recommended above, will comply with Fed. Spec. TT-W-572 for Wood Preservative, Water Repellent Composition A. Best results would be obtained by using wood pressure-treated with our product PENWAR. In lieu of that next best results will be obtained by immersing wood to be treated in PENWAR for 3 minutes minimum plus three minutes for each inch of thickness. Where dipping is not possible two or more liberal brush or spray applications should be made. Rewet wood surface with PENWAR immediately after application to give high retentions and better penetration. Allow at least 24 hours and preferably longer before application of varnish or paint. Brush, spray or dip to obtain maximum absorption on cut surfaces.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Storage: This material should be stored as a pesticide. Warm solution to 65 degrees F before use.



Pesticide disposal: Pesticide wastes are toxic. 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 disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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PENTACHLOROPHENOL  
FOR HOME AND FARM USE  
and  
RAILROAD TIE REPAIR

RESTRICTED USE

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Product name: PENWAR 1-5  
Wood Preservative Concentrate

Ingredient statement:

ACTIVE INGREDIENTS:	
Technical Pentachlorophenol	25.6%
INERT INGREDIENTS:	74.4%
TOTAL	100.0%

Keep Out of Reach of Children  
Danger

Statement of Practical Treatments

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Flush with plenty of water. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

If inhaled: Remove victim to fresh air. Get medical attention.

NOTE TO PHYSICIAN: This product is a metabolic stimulant. Causes hyperthermia. Treat symptomatically.

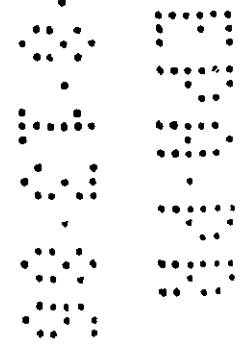
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Forshaw Chemicals, Inc.  
650 State Street  
Charlotte, NC 28208  
EPA registration number: 7234-16  
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ACCEPTED

OCT 17 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 7234-16



**Precautionary Statements: Hazards to Humans and Domestic Animals**

**Danger:** May be fatal if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin or on clothing. Causes delayed chemical burns. Do not take internally. Avoid breathing vapors, spray mist, or dust. Use with adequate ventilation. Wash thoroughly after skin contact, before eating, drinking, use of tobacco products, or using restrooms.

The U.S. EPA has determined that pentachlorophenol can produce defects in the offspring of laboratory animals. Exposure to pentachlorophenol during pregnancy should be avoided.

Avoid inhaling vapors. If inhalation of vapors cannot be avoided, applicators must wear a properly fitting, well-maintained half-mask canister or cartridge respirator which is MSHA/NIOSH-approved for polynuclear aromatics and organic vapors.

Applicators must wear gloves impervious to the wood treatment formulation in all situations where dermal contact is expected (for example, during the actual application process and when handling freshly treated wood).

Spray applicators must wear protective clothing (including overalls, jackets, gloves, boots, and head covering) impervious to the wood treatment formulation, and a respirator and goggles when spraying.

Applicators who apply pentachlorophenol by other application processes (e.g., brush on) must wear long sleeved shirts, long pants and an impermeable apron. Launder work clothing separately from other household laundry.

Protective clothing must be changed when it shows signs of contamination. Launder non-disposable protective clothing separately from other household clothing. Dispose of worn-out protective clothing and workshoes or boots in any general landfill, in the trash, or in any other manner approved for pesticide disposal.

Applicators must not eat, drink, or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation.

Do not apply where there may be direct contact with domestic animals or livestock, and where there may be contamination of food, feed, or drinking and irrigation water.

Do not apply in interiors. Do not apply to wood intended for use in interiors except for those support structures which are in contact with the soil in barns, stables, and similar sites; and which are subject to decay or insect infestation; and millwork which has outdoor surfaces (e.g., doorframes, windows and patio frames). Interior surfaces of the treated wood should be sealed with two coats of an appropriate sealer. Sealers may be applied at the installation site.

Do not apply pentachlorophenol to wood intended for farrowing or

brooding facilities.

Do not apply pentachlorophenol to wood intended to be used in the interiors of farm buildings where there may be direct contact with domestic animals or livestock which may crib (bite) or lick the wood. Pentachlorophenol may be used to treat wood intended to be used in interiors of farm buildings where domestic animals or livestock are unlikely to crib or lick the wood, if two coats of an appropriate sealer are applied. Sealers may be applied at the installation site.

Do not apply to wood intended to be used in a manner in which preservative may become a component of food or animal feed. Examples of such sites would be structures or containers for storing silage or food.

Do not use this product to treat wood intended to be used for cutting boards or countertops.

Do not use this product to treat wood intended for construction of those portions of beehives which may come into contact with the honey.

Do not use this product to treat wood intended for use where it may come into direct or indirect contact drinking water for the public and domestic animals or livestock except for those uses involving incidental contact such as docks and bridges.

Wood to be treated with this product should be cut to size before treatment. If it is necessary to saw or machine wood after treatment, wear goggles to protect the eyes from flying particles and a dust mask to avoid inhaling sawdust from the treated wood. If oily preservatives or sawdust accumulate on clothes, launder before re-use. Wash work clothes separately from other household laundry.

Contact with treated surfaces should be avoided even after the preservative has dried. When handling treated wood wear long-sleeved shirts, long pants and impervious gloves (e.g., vinyl coated). Wash exposed skin thoroughly after contact with treated wood and before eating, drinking, or using tobacco products.

This product should not be used to treat wood which will be in frequent or prolonged contact with skin, unless an effective sealer has been applied.

NOTE TO USER: As used on this label, the term "respirators" means properly fitting, well-maintained, half-mask canister or cartridge respirators which are MSHA/NIOSH-approved for polynuclear aromatics and organic vapors. Examples of acceptable materials for protective clothing (e.g., gloves, overalls, jackets, and boots) required during application and handling of pentachlorophenol are polyvinyl acetate (PVA), polyvinyl chloride (PVC), neoprene, NBR (Buna-N). Urethane, latex epoxy enamel, shellac, and varnish are acceptable sealers for all pentachlorophenol-treated wood.

### Environmental Hazards

This product is toxic to fish and wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

### Physical and Chemical Hazards

Do not use or store near heat or open flame. Close container after each use.

### Directions for Use

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

Agitate contents of this container before diluting. To prepare a ready-to-use solution of a water repellent wood preservative mix one (1) gallon of PENWAR CONCENTRATE (1.5) with five (5) gallons of Mineral Spirits, Fed. Spec. TT-T-291 - Thinner, Paint, Volatile, Mineral Spirits Solutions, mixed as recommended above, will comply with Fed. Spec. TT-W-572 for Wood Preservative, Water Repellent Composition A. Best results would be obtained by using wood pressure-treated with our product PENWAR. In lieu of that next best results will be obtained by immersing wood to be treated in PENWAR for 3 minutes minimum plus three minutes for each inch of thickness. Where dipping is not possible two or more liberal brush or spray applications should be made. Rewet wood surface with PENWAR immediately after application to give high retentions and better penetration. Allow at least 24 hours and preferably longer before application of varnish or paint. Brush, spray or dip to obtain maximum absorption on cut surfaces.

### Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Storage: This material should be stored as a pesticide. Warm solution to 65 degrees F before use.

Pesticide disposal: Pesticide wastes are toxic. 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 disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Household/domestic use container disposal: Securely wrap original pesticide container in several layers of newspaper and discard in the trash. Do not reuse empty containers.

Treated wood disposal: Wood which has been treated with this product should be disposed of by burial or ordinary trash collection. Do not burn treated wood in an outdoor fire or in stoves or fireplaces because toxic chemicals may be produced as part of the smoke and ashes.