

**KMG  
Penta Flakes**

SOLID

Class 6.1, UN 3155  
Wood Preservative, COMMERCIAL

For use ONLY in the preparation and manufacture of industrial wood preservation treating solutions which are to be used only at pressure and thermal wood preservation treatment facilities.

**READ THE LABEL BEFORE USING**

**GUARANTEE:**

Total chlorinated phenols..... 98 %  
Pentachlorophenol .....91.5%  
other chlorinated phenols..... 6.5%

REGISTRATION NO. 28839 PEST CONTROL PRODUCTS ACT

**For Industrial Use Only  
Harmful or fatal if swallowed or inhaled**

**DANGER  
POISON (SYMBOL)  
CORROSIVE (SYMBOL)  
CORROSIVE TO EYES  
NET CONTENTS \_\_\_\_\_ KG**

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**PRODUCT LIMITATIONS**

For use ONLY in the preparation of industrial wood preservation treating solutions which are to be used only at pressure and thermal wood preservation treatment facilities. To be used only in the formulation of industrial treatment solutions at industrial treating facilities for the treatment of:

1. railway ties
2. utility poles, and piling
3. outdoor construction materials

**TREATED WOOD LIMITATIONS**

Working solutions should only be used for treatment of wood having NO opportunities for:

1. direct contact with, or becoming a deleterious component of drinking water.
2. use in: (a) residential construction

- (b) food/feed storage/production or animal housing
  - (c) playground equipment.
3. prolonged skin contact.

### **DIRECTIONS FOR USE**

KMG Penta Flakes must be dissolved prior to use as a wood preservative.

Recommended concentrations for wood-treating solutions vary according to the end uses and methods of application to get the desired biological control.

For the preparation of wood preservation formulations and methods of applying them to wood, consult the Environment Canada publication *Recommendations for the Design and Operation of Wood Preservation Facilities*.

Apply at rates prescribed in Canadian Standards Association 080 Series standards on *Wood Preservation* or similar national or international standard to achieve penetration and retention levels required. Pressure and thermal treatment of wood with this product provides protection against wood decay fungi and insects.

All operation procedures must be consistent with the recommendations found in the Environment Canada publication *Recommendations for the Design and Operation of Wood Preservation Facilities*.

Post a copy of this label at the treating site and all other areas where workers may be exposed to pentachlorophenol. Ensure that all transfer and mixing of pentachlorophenol solutions occurs through closed systems. For further information on the exact equipment and configurations required, please contact the chemical manufacturer.

**PREPARATION:** Brand and machine wood prior to treatment.

**PRECAUTIONS:** PREVENT ACCESS BY UNAUTHORIZED PERSONNEL.

Toxic if swallowed. May cause severe skin or eye irritation. Avoid contact with skin, eyes and clothing. Wear gloves impervious to pentachlorophenol at all times.

Do not carry, store, or consume food or drink in areas where pentachlorophenol is stored or used, or where freshly treated wood is stored. Do not carry or use tobacco products in working areas. Do not expose cuts or abrasions to pentachlorophenol solutions. Get immediate first aid if eyes contact pentachlorophenol solutions. Keep work area well ventilated. Keep away from open flame. When heated to decomposition this product emits toxic fumes (chlorides).

OPERATOR FUNCTION	CORRESPONDING RELATIVE EXPOSURE POTENTIAL	PROTECTIVE REGIME
I. Operations carried on <i>inside treatment cylinders</i> .	High	Self-contained breathing apparatus with full face piece or supplied air respirator and full face piece.  Coveralls and impervious gauntlets (long sleeve gloves), impervious apron, head gear and impervious boots.
II. Operations carried on <i>outside cylinders</i> that entail opportunity for direct exposure to pentachlorophenol, e.g., a) transfer of pentachlorophenol and preparation of treating solutions, b) cleaning/maintenance activities c) opening cylinder after treatment, d) charging thermal tanks.	Medium	Half-mask canister or cartridge-type respirator approved for organic vapors and acid gases, in combination with a dust mist and fume filter.  Coveralls, chemical goggles or face shield, impervious gauntlets (long sleeve gloves), impervious apron, head gear and impervious boots.
III. Handling treated wood.	Low	Wear a respirator if treated wood is handled in enclosed areas, or when freshly treated wood is above ambient temperature. Coveralls, impervious gloves and impervious boots.

USE PROTECTIVE CLOTHING MADE FROM THE FOLLOWING MATERIALS:  
Viton, neoprene, butyl rubber, nitrile, polyvinyl chloride, polyvinyl acetate.

### FIRST AID

IF SWALLOWED: Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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 centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

### **TOXICOLOGICAL INFORMATION**

This product is a metabolic stimulant. Treatment is supportive. Forced diuresis may be effective to reduce total body burden. Treat hyperthermia with physical measures. Do not administer aspirin, phenothiazines or atropine since they may enhance toxicity. Chemical burns can result from eye contact or prolonged skin contact.

### **SYMPTOMS OF EXPOSURE**

**EYES:** Severe irritation. May cause irreversible eye damage on prolonged contact.

**SKIN:** May be fatal if absorbed through the skin. Causes skin burns on prolonged or repeated contact.

**INGESTION:** May be fatal if ingested. May cause sneezing, weakness, excessive sweating, headache, dizziness, nausea, vomiting and difficulty breathing. May cause irritation to upper respiratory tract.

**PRIMARY ROUTES OF ENTRY:** Skin, Eyes, Inhalation. Medical conditions generally aggravated by exposure: Acute or chronic kidney or liver disease, asthma, bronchitis, chronic acne and other skin conditions.

### **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the application device.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

### **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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