

DEC 17 1993

# CHAP-FUME

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN** Immediately flush skin with large amounts of running water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

**IF IN EYES** Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

**IF INHALED** Remove to fresh air. If not breathing, clear the victim's airway and start mouth-to-mouth artificial respiration. If breathing is difficult, give oxygen preferably with a physician's advice. Get medical attention immediately.

**IF SWALLOWED** Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

**SEE BACK PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

EPA Est No. 1022 TN 1

EPA Reg. No. 1022 562

## A FUMIGANT FOR CONTROLLING DECAY AND INSECTS IN WOOD POLES

### PRODUCT INFORMATION

**CHAP-FUME** is a fumigant solution. When used as directed, it will arrest internal decay and control insects present in Douglas Fir, Western Red Cedar and Southern Pine. During this sterilization of the treated area, a fungitoxic residue is deposited in the cells of the wood. This residue is effective for an indefinite period. Poles known to have internal decay should be scheduled for treatment before they have decayed to the point where replacement is necessary.

### USE PRECAUTIONS

**READ ALL LABEL DIRECTIONS BEFORE USING.** Apply this product only as specified on this label. Keep children and pets out of treated area. Keep off desirable lawns and plants. Wash contaminated hands, skin, eyes or clothing with water immediately upon exposure to chemical and always before eating or smoking. Use respirators, water proof protective gloves and footwear when appropriate and required. Keep container tightly closed when not in use. Do not store near feed or food.

### INGREDIENT STATEMENT

<b>ACTIVE INGREDIENT:</b>	
Sodium Methyl dithiocarbamate (Anhydrous) . . . . .	32.7%*
<b>INERT INGREDIENT</b> . . . . .	67.3%
<b>TOTAL</b> . . . . .	100.0%

\*Contains 3.18 lbs. active ingredient per gallon  
**UN 3006**  
(Contains Sodium Methyl Dithiocarbamate)  
**(IMO: Dithiocarbamate Pesticides, Liquid, Toxic, N.O.S., UN 3006)**  
This product is sold only for uses stated on its label. No expressed or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States.

BATCH NO.

NET CONTENTS

Manufactured by  
**IBC MANUFACTURING  
COMPANY**

Memphis, Tennessee 38109

# CHAP-FUME

## DIRECTIONS FOR USE

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

### POLES

**Groundline Treatment:** When a pole is detected with rot or insect damage, dig the soil away from the base of the pole to a depth of 12 inches. Drill 3/4 to 7/8 inch diameter holes in each quarter of the pole at groundline and one 3/4 to 7/8 inch hole two feet above the groundline, preferably above the decay pocket. These holes should be drilled at a 45 to 65 degree downward angle. Use the Table below to determine the number and length of holes to hold the prescribed amount of **CHAP-FUME**. Avoid drilling across seasoning checks and knots that will cause leakage.

Plug all holes with treated wood plugs that are 1/16 inch larger in diameter than the hole. Wear impermeable water proof protective gloves and safety goggles to avoid splashing any of the liquid **CHAP-FUME** on the skin or into the eyes.

When the **CHAP-FUME** treatment is for the control of insects, the pole should be wrapped over the treated area with 48 inch laminated kraft paper. Staple and seal the seam and top edge with 1 inch masking tape. **NO WRAPPING IS NECESSARY WHEN CONTROLLING DECAY IN POLES**

Backfill and tamp the excavated area to form a seal against the kraft paper. The kraft paper should be removed and disposed of when convenient two months after application.

**Above Groundline Treatment to Control Decay:** Drill 3/4 to 7/8 inch holes in a spiral pattern up the pole starting at groundline. Avoid drilling across seasoning checks and knots that will cause leakage. The holes should be drilled at a 45 to 65 degree downward angle. Space holes at least 6 inch to 1 foot vertically from each other. Use the Table below to determine the number and length of holes to hold the prescribed amount of **CHAP-FUME**. If rot pocket is intersected by drilling, attempt to drill holes in sound wood above and below the pocket.

In areas of the pole above the groundline that are susceptible to internal decay, drill two 3/4 to 7/8 inch diameter holes 90 degrees apart and avoid seasoning checks. Holes should be one foot apart vertically.

Before applying **CHAP-FUME** assure that no one is below you. Pour **CHAP-FUME** into the holes slowly, watching for leakage. If leakage occurs, stop pouring chemical, plug the hole and drill a replacement hole observing the one foot vertical spacing between holes. Plug all holes with treated wood plugs 1/16 inch larger in diameter than the hole.

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## NUMBER OF HOLES REQUIRED IN POLES OF DIFFERENT SIZES TO HOLD VARYING AMOUNTS OF FUMIGANT

Hole Dimensions (Inches)		Fumigant (Pints per inch of hole)	Number of holes to poles with circumferences		
Diameter	Length		30"	30-45"	> 45"
3/4	15	0 015	4	6	-
	18	0 015	4	5	-
	21	0 015	3	4	-
	24	0 015	-	3	-
7/8	15	0 024	3	4	-
	18	0 024	-	3	6
	21	0 024	-	-	5
	24	0 024	-	-	4

Note: Effective length of hole is 2.5 inches less to allow for insertion of a 2.5 inch treated plug.

### WOOD CHIPS

**CHAP-FUME** reduces wood fiber degradation and helps retain brightness in softwood and hardwood chips by controlling cellulose degrading bacteria and fungi. Tall oil and turpentine losses are greatly reduced because temperatures in the wood chip storage piles are held to near ambient levels for up to 30 days. **CHAP-FUME** is a water soluble liquid. Use promptly after mixing with recommended amount of water. Do not allow solution to stand. Flush all equipment with water after use. Disassemble valves and clean carefully. Allow at least 4 weeks between treatment and processing of chips.

**Soaking Method** Soak chips in 0.3% to 0.8% **CHAP-FUME** water solution for 15 seconds in sufficient quantity to completely cover the chips. Approximately 72 gallons of solution will be needed for each ton of oven dry wood chips. Runoff should be recycled to soaking tank after filtering. Replenish **CHAP-FUME** solution as needed using original dilution rate.

**Spraying Method** - Spray 0.3% to 0.8% **CHAP-FUME** water solution uniformly on each ton of oven dry wood in fresh chips using a minimum of 40 gallons of solution per ton. Use sufficient number of nozzles for adequate coverage. Recycle runoff after filtering.

AMOUNT OF CHAP-FUME NEEDED FOR DESIRED SOLUTION*		
Gallons of Water	0.3%	0.8%
100	1.2 qts (38.4 fl oz)	3.2 qts (102.4 fl oz)
500	5 qts (192 fl oz)	16 qts (512 fl oz)

\* Use the higher concentration if chips are dirty or are to be stored for more than 3 months.

### WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

Corrosive, causes skin damage. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or absorbed through skin. Prolonged contact may cause severe skin irritation. Do not breathe vapor or spray mist. Use waterproof gloves, face shield or goggles, and protective clothing when handling. Wash hands, arms and face thoroughly with soap after handling and before eating or smoking. Wash clothing and shoes before reuse. Do not apply to food or forage. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. When applying in enclosed areas, wear a mask or respiratory of a type passed by the U.S. Bureau of Mines for Metam-Sodium protection.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and other wildlife. For terrestrial use do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment wash water. Apply this product only as specified on this label. In case of emergency immediately call **Chemtrec** at 1-800-424-9300.

## STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** DO NOT STORE BELOW 0 degrees F. Product crystallizes at lower temperature. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use.

**PESTICIDE DISPOSAL:** Rinsate from the containers may be applied around the bottom of the pole. Care should be taken to prevent contamination of water and desirable vegetation. 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 incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.