

October 22, 2003

Gail Early
Registrations Representative
IBC Manufacturing Company
416 E. Brooks Rd.
Memphis, TN 38109

Subject: Chap-Fume
EPA Registration No. 1022-562
Application Date: July 25, 2003
Receipt Date: July 28, 2003

Dear Ms. Early:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the conditions below:

Proposed Amendment

- Update label in accordance with PR Notice 2001-1

Conditions

1. Revise the inhalation route of exposure in the First Aid Statement to read "Move person to fresh air."
2. Add the following text at the end of the First Aid Statement: "Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage."

General Comments

A stamped copy of the accepted labeling (with conditions) is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

CONCURRENCES								
SYMBOL	7510 C							
SURNAME	E. Early							
DATE	10/22/03							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

2/6

Should you have any questions concerning this letter, please contact me at (703) 308-6422.

Sincerely,

Adam Heyward
Adam Heyward
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Net Contents:

CHAP-FUME

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

INGREDIENT STATEMENT

ACTIVE INGREDIENT:		
	Sodium Methylthiocarbamate (Anhydrous)	33.0%*
INERT INGREDIENTS:	67.0%
TOTAL:	100.0%

*Contains 0.18 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.

EPA Reg. No. 1022-562

EPA Est. No. 1022-TN-1

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> ▪ Take off contaminated clothing. ▪ Rinse skin immediately with plenty of water for 15 – 20 minutes. ▪ Call a Poison Control Center or doctor for further treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> ▪ 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. ▪ Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> ▪ Remove person to fresh air. ▪ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. ▪ Call a Poison Control Center or doctor for further treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> ▪ Call a poison control center or doctor immediately for treatment advice. ▪ Have person sip a glass of water if able to swallow. ▪ Do not induce vomiting unless told by a Poison Control Center or doctor. ▪ Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
<p>In case of emergency, call Chemtrec toll free at 800-424-9300. Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	

See Back Panel for Additional Precautionary Statements

ACCEPTED
with COMMENTS
EPA Letter Dated
OCT 22 2003

IBC Manufacturing Company
416 East Brooks Road
Memphis, TN 38109

Under the Federal
Fungicide and
Amendment
Register

1022-562

CHAP-FUME

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 the 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 immediately upon exposure to chemical and always before eating or smoking. Use respirators, waterproof protective gloves and footwear when appropriate and required. Keep container tightly closed when not in use. Do not store near feed or food.

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, safety goggles or face shield, 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 respirator 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. **DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

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 Rate Table 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 waterproof protective gloves and safety goggles or face shield 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.

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 Rate Table 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.

POLE APPLICATION RATE TABLE			
Approximate Pints Per Pole CHAP-FUME	Diameter of Hole (inches)	Length of Hole (inches)*	Number of Holes**
3/4 Pint (poles with less than 30" circumference)	3/4"	10"	6
	"	12"	5
	7/8"	8"	6
	"	9"	5
1.0 Pint (poles 30" to 45" in Circumference)	"	11"	4
	3/4"	13"	6
	7/8"	10"	6
2.0 Pints (poles greater than 45" in circumference)	"	12"	5
	7/8"	18"	6

*Effective length is 2.0 inches less than shown to allow for sealing plug.

**CHAP-FUME should be evenly divided among the holes drilled in the pole.

Note: Care should be taken not to drill through the circumference of the pole.

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 - Soak chips in 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%
40	0.48 qt. (15.4 fl. oz.)	1.28 qt. (41.0 fl. oz.)
72	0.86 qt. (27.6 fl. oz.)	2.30 qt. (73.7 fl. oz.)

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

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.

PESTICIDES 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.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller this product conformed to its chemical description and that it was reasonably fit for the purposes stated on the product label when used both in accordance with the Directions for Use appearing on the product label and under normal conditions of use. Buyers and users of this product assume the risk of all loss or damage from use or handling of this product that results from their failure to read and comply with the Directions for Use of this product which appear on the product label. 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. Unless expressly prohibited by state law, the liability of seller for any breach of warranty shall not exceed the purchase price of the product as to which a claim is made.