

1022-527
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APR 29 1988

Chapman Chemical
P. O. Box 9158
Memphis, TN 38109-0158

Gentlemen:

Subject: Dovicide G and Mitrol G-ST Antimicrobial
EPA Registration No. 1022-526 and 1022-527
Your amendment dated March 25, 1987

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

Comments:

1. Under "Statement of Practical Treatment", "If In Eyes" should read, "Flush with plenty of water for 15 minutes".
2. Add "If On Skin: Wash with plenty soap and water. Seek medical attention should irritation persist".
3. Under "Hazards to Humans and Domestic Animals" paragraph should read, "Danger". Corrosive causes eye damage and skin irritation. Causes delayed chemical burns. Do not get in eyes, on skin, or on clothing. Harmful or fatal if swallowed".
4. Under "Oil Well Operation Uses" and "Dry End Paper Mill Uses" delete the words, "or automated".
5. Under "Storage and Disposal" the last sentence for "Storage" should be "In case of spills during shipping and/or storage wear goggles or face shield and rubber gloves and supply adequate ventilation".

6. Under "Environmental Hazards" the fourth sentence should read, "Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources."

Should you have questions, call Arvella Farmer at (703) 557-6939.

Sincerely yours,



Jeff Kempter
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

MITROL G-ST Antimicrobial

ACCEPTED
with COMMENTS
In EPA Letter Dated:

INGREDIENTS: Active Ingredients*	90%
Sodium Pentachlorophenate	79%
Sodium Salts of Chlorinated Phenols*	11%
Inert Ingredients	10%
Total	100%

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

1022-527

*Calculated as sodium pentachlorophenate monohydrate (molecular weight 306.3)

Chapman Chemical Company has complied with all terms and conditions of the registration governing the composition of this product as approved by the U. S. Environmental Protection Agency under Section 3 of the Federal Insecticide, Fungicide, and Rodenticide Act.

Keep Out of Reach of Children

DANGER

STATEMENT OF PRACTICAL TREATMENT

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 for 15 minutes. Call a physician.

IF INHALED: Remove victim to fresh air. Get medical attention.

IF ON SKIN: WASH WITH PLENTY SOAP AND WATER. SEEK MEDICAL ATTENTION SHOULD IRRITATION PERSIST.

NOTE TO PHYSICIAN: 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.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

~~ANGER. May be fatal if swallowed, inhaled or absorbed through skin. Causes skin 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. Harmful or fatal if swallowed.~~

Corrosive, eye damage

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water. Do not apply where run-off is likely to occur. Do not ~~contaminate water~~ ^{clean equipment or dispose of equipment} washwaters in a manner that will contaminate water resources.

PHYSICAL AND CHEMICAL HAZARDS

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

WARRANTY STATEMENT AND DISCLAIMER

Proper application is critical to the effectiveness of the product; however, when applied and used according to this label, Mitrol G-ST is capable of protecting materials from deterioration by bacteria, fungi, and/or algae.

DANGER: READ THE LABEL THOROUGHLY BEFORE USE, COMPLY WITH ALL DIRECTIONS AND WARNINGS GIVEN, AND USE COMMON SENSE IN HANDLING.

CHAPMAN MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, OTHER THAN AS SET FORTH ON THIS LABEL, AND CHAPMAN DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANTABILITY NOT SPECIFICALLY FORTH ON THIS LABEL. CHAPMAN SHALL NOT BE RESPONSIBLE FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE OR OTHER TYPE OF LOSS RESULTING FROM FAILURE TO FOLLOW THE DIRECTIONS FOR USE, WARNINGS AND PRECAUTIONARY LANGUAGE GIVEN ON THIS LABEL. CHAPMAN SHALL NOT BE RESPONSIBLE FOR DAMAGE TO PROPERTY BEYOND THE PURCHASE PRICE OF THIS PRODUCT; HOWEVER, SOME STATES DO NOT ALLOW THE INCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU.

EPA Est. No. 1022-TN-1; EPA Reg. No. 1022-527

MANUFACTURED BY CHAPMAN CHEMICAL COMPANY MEMPHIS, TENNESSEE 38109

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use of this product for any purpose other than those stated on the label, including use of this product in the manufacture and formulation of other pesticide products or in repackaging the product, is prohibited.

This product has been packaged in premeasured one-pound, single treatment-sized water soluble pouches and must be used only as packaged. Each water soluble pouch is contained in a non-water soluble outer bag. Remove the pouch from its outer bag prior to use. DO NOT OPEN THE INNER POUCH!

INDUSTRIAL RECIRCULATING WATER COOLING SYSTEMS: Heavily fouled systems must be cleaned mechanically prior to treatment. Initial treatment should be made at a rate of 2 to 4 one-pound pouches per 5000 gallons of water (6 to 12 ounces (weight) per 1000 gallons). Subsequent treatments to maintain control should be made at weekly intervals at a rate of 1 to 2 one-pound pouches per 5000 gallons of water (3 to 6 ounces per 1000 gallons). Interrupting bleed off for 12 to 24 hours following initial or subsequent applications may aid in achieving and maintaining control. Place the required number of unopened, one-pound pouches in a plastic or metal basket, nylon net, or other container allowing free movement of water around the pouches. Suspend the pouches in the container in the system sump or basin at a point where rapid circulation occurs to allow rapid dissolution of the product and prevent damage that may result from prolonged contact of concentrated Mitrol G-ST with galvanized or aluminum surfaces.

OIL WELL OPERATION USES: Mitrol G-ST must be used only in closed or automated systems. To prevent bacterial growth in drilling fluids, drilling muds, or packer fluids, use 1 or 2 one-pound pouches per 168 gallons of mud or fluid. For flood waters used in enhanced or secondary oil recovery, use 1 or 2 one-pound pouches per 5000 gallons of flood waters. Mitrol G-ST is best added to mud, fluid, or water as an aqueous concentrate prepared from dissolving up to 5 pouches in 3 gallons of water. Preparation of this concentrated solution must be accomplished in a closed mixing system. The concentrate must be added to the mud, fluid, or water through a closed system metering device.

DRY END PAPER MILL USES: Mitrol G-ST must be used only in closed or automated systems. It is best added to materials as a concentrated aqueous solution prepared by dissolving up to 5 pouches in 3 gallons of water. Preparation of this concentrate must be accomplished in a closed mixing system. The concentrate must be added to the material requiring protection through a closed system metering device. Following are

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concentrations of Mitrol G-ST in the finished product required to protect various materials:

<u>Material</u>	<u>Type</u>	<u>Concentration</u>	<u>Comments</u>
<u>Protected</u>		<u>(%)</u>	
Coatings and Sizings	Starch	0.10 - 0.25	Provides protection against fungal and bacterial deterioration for up to 6 days. Longer periods require higher concentrations.
	Casein	0.25 - 0.50	
	Soya Protein	0.25 - 0.50	
	Animal Glue	0.25 - 0.50	
	Latex	0.10 - 0.50	
Adhesives	Starch-based	0.10 - 0.50	Amount of Mitrol G-ST required depends on the other components of the formulation, the end use of the adhesive, and conditions of storage.
	Protein-based	0.10 - 0.25	
Printing Inks	Water-color inks with a dextrin base	0.25	

STORAGE AND DISPOSAL

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

STORAGE: Store only in original container in a secure, dry area protected from extreme temperatures. Do not remove product from the carton until needed. Keep carton closed when not in use. *IN CASE OF SPILLS DURING SHIPPING AND/OR STORAGE, WEAR GOGGLES OR FACE SHIELD AND RUBBER GLOVES AND SUPPLY ADEQUATE VENTILATION.*

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, use solution, 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Dispose of carton and outer, non-water soluble plastic bags in a sanitary landfill or by incineration, if allowed by state and local authorities.

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Alternate language for product packaged for manufacturing use:

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Mitrol G-ST may be repackaged into water-soluble bags or used as a source of technical sodium pentachlorophenate in the formulation of other antimicrobial products by pesticide registrants who have complied with all terms and conditions of the registration governing the composition of their product as approved by the U.S. Environmental Protection Agency under Section 3 of the Federal Insecticide, Fungicide and Rodenticide Act.

NOTE: Because of their properties and intended uses, formulated antimicrobial products containing Mitrol G-ST may require precautionary labelling based on the properties and intended use of their finished formulations and in accordance with all pertinent laws and regulations.

CONTAINER DISPOSAL: Completely empty liner by shaking and tapping sides to loosen clinging particles. Empty residue into formulating or packaging equipment. Then dispose of liner in a sanitary landfill or by incineration, if allowed by state and local authorities. If drum cannot be reused, dispose of in the same manner.