



R. T. VANDERBILT COMPANY INC.

NET WEIGHT 525 LBS., 55 GALLONS

Vancide* 51

April 28, 1975
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER
EPA REG. NO. 1965-8

ACTIVE INGREDIENTS:		
SODIUM DIMETHYLDITHIOCARBAMATE	27.6%	30.0%
SODIUM 2-MERCAPTOBENZOTHAZOLE	2.4%	
INERT INGREDIENTS:		70.0%
		100.0%

DIRECTIONS FOR INDUSTRIAL USE:

Paper Mill Slicicide - To control bacterial and/or fungal slime in pulp and paper mill systems, add 0.66 pounds VANCIDE 51, by weight (8.8 fluid ounces) to 2.3 pounds, by weight (30.5 fluid ounces) per ton, dry weight, of pulp or paper produced. The VANCIDE 51 is preferably added to system by use of a suitable metering device such as a metering pump, in the beater, hydropulper or headbox, especially ahead of area where slime is located. Apply an initial dose of 2.3 pounds by weight (30.5 fluid ounces) VANCIDE 51 per short ton, dry weight, of pulp or paper. Repeat as necessary until slime is controlled. After control is obtained by initial treatment, reduce dosage to 0.66 pounds (8.8 fluid ounces) VANCIDE 51 per short ton, dry weight, of pulp or paper produced. Systems badly fouled by slime must be precleaned before treatment. This product is not effective against algae.

Cooling Towers - To control bacterial and fungal slime in recirculating water cooling towers, apply an initial dose of 25.6 ounces by weight (21.3 fluid ounces) per 1000 gallons of water in the system when microbial growths are apparent. Repeat as necessary until control is obtained. When microbial growths are under control or when control is obtained by treatment with the initial dose, apply a subsequent dose of 3.2 ounces by weight (2.7 fluid ounces) to 6.4 ounces by weight (5.3 ounces) per 1000 gallons of water in the system every 3 to 5 days or as needed. Apply product in the cooling tower basin, distribution decks or in the tower sump. Towers badly fouled by scale or slime must be precleaned before treatment. This product is not effective against algae.

Mold-resistant Paper and Paperboard - To impart mold-resistant properties to paper or paperboard, apply 1.65% to 3.3% VANCIDE 51 based on the weight of the sheet as a surface treatment at the size press or calender

stack. Do not use for the manufacture of mold-resistant paper and paperboard intended for food packaging purposes.

Preservation of Cotton Fabrics - To preserve mildew-proof cotton fabric, treat as follows based on 100% wet pickup:

1. Pad on a solution of 5 parts VANCIDE 51 and 95 parts water and dry.
2. Pad on a 1.2% solution of zinc acetate dihydrate and dry.

Preservative for Paste - Add 0.33% to 1.0% VANCIDE 51 to starch paste based on the weight of the starch, but no less than 0.02% based on the total weight of the paste. To preserve alginate pastes, add 0.1% to 0.2% VANCIDE 51 based on the alginate solution. To preserve casein solution, add 0.33% to 1.0% VANCIDE 51 based on the weight of the casein, but no less than 0.1% based on the total weight of the paste.

Wood veneer - Add 4.8 pounds or 2 quarts VANCIDE 51/100 gallons water to make dip solution for sap stain and mold control. Freshly cut veneer should be dipped at least 15 seconds.

Preservation of Cutting Oils - To prevent cutting oil solutions and emulsions from developing undesirable odors and broken emulsions due to bacterial and fungal action, add VANCIDE 51, by weight to diluted fluid at 500 to 1000 ppm by weight of fluid. To prepare 500 ppm add 4,175 pounds (55.4 fluid ounces) of VANCIDE 51 per 1000 gallons of fluid and for 1000 ppm add 8.35 pounds (110.8 fluid ounces) per 1000 gallons fluid.

DIRECTIONS FOR AGRICULTURAL USE:

"Seed" Treatment of Sweet Potatoes - For control of black rot, carefully select out and discard defective potatoes. Dip "seed" potatoes in a 2% water solution of VANCIDE 51 (1 gallon VANCIDE 51 per 50 gallons of water). Keep potatoes submerged long enough to permit thorough wetting. Remove potatoes and allow to dry or bed immediately. When about one half of the solution has been used up, discard it and prepare a new solution. Such treated sweet potatoes must be labeled "Treated Sweet Potatoes. Do not use for food or feed."

Disinfection of Sweet Potato Washing Machines - To disinfect sweet potato washing machines of rot fungi, spray the empty machine thoroughly with a

2% water solution of VANCIDE 51 (1 gallon VANCIDE 51 per 50 gallons of water). Flush out with water for 3 to 5 minutes before resuming sweet potato washing operations. Repeat treatment after machine becomes recontaminated.

Preservation of Stored Rose Bushes - For the control of mold on stored rose bushes, spray or dip bushes immediately after harvest with a 1% solution of VANCIDE 51 in water (1 gallon VANCIDE 51 per 100 gallons of water or 1 quart per 25 gallons of water). Spray bushes with a 1% solution of VANCIDE 51 in water once every two weeks while bushes are in cold storage. Spray entire plant, roots and tops.

Seed Treatment of Wheat and Sorghum - For the control of bunt (stinking smut) on wheat and covered kernel smut on sorghum. Clean seed should be treated by rolling or tumbling the seed in a suitable container with the recommended amount of VANCIDE 51. Wheat and sorghum should be treated at the rate of 4 ounces of VANCIDE 51 per bushel of seed. Do not use treated seed for food or feed.

Seed may be stored or planted immediately after treatment.

When seed is to be treated in commercial slurry treating machines, the slurry cups should be modified by drilling a hole so that the cups will hold the smaller required amount of this material. These holes may be closed after use with rubber or wooden plugs to revert to normal volume for other uses. For best results in treating seed VANCIDE 51 should not be diluted with water.

CAUTION: KEEP OUT OF REACH OF CHILDREN

Caution - May be harmful if swallowed or inhaled! May cause irritation of nose, throat and skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. In case of contact, flush with plenty of water. For eyes, get medical attention.

Caution - This product is toxic to fish. Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment, or disposal of wastes. Containers should be disposed by returning to drum conditioner. Apply this product only as specified on this label.

EPA REG. NO. 1965-8

EPA Est No. 10697-OH-1

NON-WARRANTY OF RESULTS

This product is warranted for use as indicated on tests believed reliable. Since the user is responsible for the results, the manufacturer can guarantee the results of such tests. The user is responsible for the results of such tests. The user is responsible for the results of such tests.



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30 Winfield Street, Norwalk, CT. 06855

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FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 9765-8

ACTIVE INGREDIENTS:		30.0%
1. MICHLOXOLIN CHLORIDE	2.4%	
2. MICHLOXOLIN CHLORIDE	2.4%	
INERT INGREDIENTS:		70.0%
		100.0%

DIRECTIONS FOR INDUSTRIAL USE:

Paper Mill Slimecide - To control slime in paper mills, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the beater. The VANCIDE 51 should be added to the water supply to the beater. The VANCIDE 51 should be added to the water supply to the beater. The VANCIDE 51 should be added to the water supply to the beater.

Cooling Towers - To control slime in cooling towers, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the cooling tower. The VANCIDE 51 should be added to the water supply to the cooling tower. The VANCIDE 51 should be added to the water supply to the cooling tower.

Mold-resistant Paper and Paperboard - To control mold in paper and paperboard, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the paper mill. The VANCIDE 51 should be added to the water supply to the paper mill. The VANCIDE 51 should be added to the water supply to the paper mill.

stack. Do not use for the manufacture of mold-resistant paper and paperboard intended for food packaging purposes.

Preservation of Cotton Fabrics - To prepare mildew-proof cotton fabrics, treat 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the cotton mill. The VANCIDE 51 should be added to the water supply to the cotton mill. The VANCIDE 51 should be added to the water supply to the cotton mill.

Preservative for Paste - Add 1.0 part VANCIDE 51 to every 50 gallons of water used in the manufacture of paper. The VANCIDE 51 should be added to the water supply to the paper mill. The VANCIDE 51 should be added to the water supply to the paper mill.

Wood veneer - Add 1.0 part VANCIDE 51 to every 50 gallons of water used in the manufacture of wood veneer. The VANCIDE 51 should be added to the water supply to the wood veneer mill. The VANCIDE 51 should be added to the water supply to the wood veneer mill.

Preservation of Cutting Oils - To control mold in cutting oils, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the cutting oil mill. The VANCIDE 51 should be added to the water supply to the cutting oil mill. The VANCIDE 51 should be added to the water supply to the cutting oil mill.

DIRECTIONS FOR AGRICULTURAL USE:

"Seed" Treatment of Sweet Potatoes - To control mold in sweet potato seeds, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the sweet potato seed treatment. The VANCIDE 51 should be added to the water supply to the sweet potato seed treatment. The VANCIDE 51 should be added to the water supply to the sweet potato seed treatment.

Disinfection of Sweet Potato Washing Machines - To disinfect sweet potato washing machines, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the washing machine. The VANCIDE 51 should be added to the water supply to the washing machine. The VANCIDE 51 should be added to the water supply to the washing machine.

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Preservation of Stored Rose Bushes - For the control of mold on stored rose bushes, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the rose bush storage. The VANCIDE 51 should be added to the water supply to the rose bush storage. The VANCIDE 51 should be added to the water supply to the rose bush storage.

Seed Treatment of Wheat and Sorghum - To control mold in wheat and sorghum seeds, add 1.0 part VANCIDE 51 per 50 gallons of water. Use in the water supply to the seed treatment. The VANCIDE 51 should be added to the water supply to the seed treatment. The VANCIDE 51 should be added to the water supply to the seed treatment.

CAUTION: KEEP OUT OF REACH OF CHILDREN

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Our recommendations for use are based on the information available to us. If the use is beyond our control, neither we nor the manufacturer are responsible for any damage or loss which is not in accordance with directions. We disclaim any responsibility for damage or loss resulting from careless or improper handling or use.

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