

NET WEIGHT 525 LBS., 55 GALLONS

Vancide* 51

APR 20 1977

UNDER THE FEDERAL INSECT
FUNGICIDE AND RODENTICIDE
ACT FOR ECONOMIC PEACE AND
FOOD SECURITY REG. NO. 1965-

ACTIVE INGREDIENTS:		30.0%
SODIUM DIMETHYLITHIOCARBAMATE	27.6%	
SODIUM 2-MERCAPTOBENZOTHIAZOLE	2.4%	
INERT INGREDIENTS:		70.0%
		100.0%

DIRECTIONS FOR INDUSTRIAL USE:

Paper Mill Slimeicide - 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 2.0 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 controlled, when control is obtained by treatment with the initial dose, at least an initial dose of 3.2 ounces by weight (2.7 fluid ounces) (3.6 ounces by weight (3.1 ounces) per 1000 gallons of water in the system every 3 to 5 days is needed. Apply product in the cooling tower basin, distribution deck, 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 prepare 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 of 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 cut 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 water). Flush out with water for 3 to 5 min. washing operations. Repeat treatment after 10 days.

Preservation of Stored Rose Bushes - To preserve rose bushes, spray or dip bushes in a 2% solution of VANCIDE 51 in water (1 gallon water or 1 quart per 25 gallons of water). Spray entire plant, roots and tops.

Seed Treatment of Wheat and Sorghum - smut) on wheat and covered kernel smut on sorghum. Treat seed with recommended amount of VANCIDE 51. Wheat: the rate of 4 ounces of VANCIDE 51 per bushel of seed for food or feed.

Seed may be stored or planted immediately after treatment. When seed is to be treated in commercial silos, silos should be modified by drilling a hole smaller required amount of this material. Use with rubber or wooden plugs to revert to normal. For best results in treating seed VANCIDE 51

CAUTION: KEEP OUT OF

Caution - May be harmful if swallowed or inhaled. Irritant to skin. Avoid contact with eyes. In case of contact, flush with water and seek medical attention.

Caution - This product is toxic to fish. Keep away from water. Do not contaminate water by cleaning of equipment. Containers should be disposed by returning to supplier. Apply this product only as specified on this label.

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