

**NET WEIGHT 150 LBS.**  
**PRECAUTIONARY STATEMENTS - 10 pt.**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**DANGER - 14 pt.**

*6 pt. or more*  
 Corrosive, causes eye damage. May cause irritation to nose, throat and skin. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes. Protect eyes when handling concentrate. Avoid contact with skin or clothing. Avoid breathing dust or spray mist

**ENVIRONMENTAL HAZARDS - 10 pt.**

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**PHYSICAL AND CHEMICAL HAZARDS - 10 pt.**

Keep away from fire and sparks.

**DIRECTIONS FOR USE - 10 pt.**

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

*10 pt.*  
 Paper Mill Slime Control - To control bacterial and fungal slime in pulp and paper mill systems add 0.1 to 0.25 pound Vancide 51Z per ton, dry weight, of pulp or paper produced. The Vancide 51Z is preferably added to system in beater, hydropulper or headbox especially ahead of area where slime is located. Badly fouled systems should be cleaned of slime by conventional methods before starting treatment. The Vancide 51Z should be added to the stock system continuously or by frequent addition of small amounts several times during an 8-hour shift always adding at the 0.1 to 0.25 pound per ton, dry weight, daily. The "shock" treatment of adding the full amount for an 8-hour shift in one dose is not recommended. Not for use in the production of paper or paperboard coming in contact with food.

See side panel for additional directions for use.

# Vancide\* 51Z

U.S. PAT. NO. 3,725,327, 3,737,551

**WETTABLE POWDER MILDEW INHIBITOR,  
 PRESERVATIVE AND SLIME CONTROL FOR INDUSTRY**

<b>ACTIVE INGREDIENTS:</b>	<b>94.5%</b>
Ziram (Zinc Dimethyldithiocarbamate)	87.0%
Zinc 2-Mercaptobenzothiazole	7.5%
(Total Zinc as Metallic... 19.8%)	
<b>INERT INGREDIENTS:</b>	<b>5.5%</b>
	<b>100.0%</b>

Keep out of reach of children. *10 pt.*

**DANGER 14 pt.**

**STATEMENT OF PRACTICAL TREATMENT 10 pt.**

*10 pt.*  
**FIRST AID:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.  
 If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician immediately.

**BEST DOCUMENT AVAILABLE**

**Directions for Use (Continued)**

*10 pt.*  
**Mold Resistant Paper and Paperboard** - To insure resistant properties to paper or paperboard, a surface treatment or size press or calendar star 51Z should be required to retain 0.5% solids on 4 of the sheet. See TAPPY Standard T47M-54 for resistance evaluation method. Do not use for the manufacture of mold-resistant paper or paperboard intended for packaging purposes.  
*10 pt.*  
**Preservation of Adhesives** - To preserve starch dispersions add 0.1% Vancide 51Z by weight of starch. To preserve protein adhesive dispersions add 0.25% Vancide 51Z by weight of the dry portion.  
*10 pt.*  
**Preservation of Paper Coatings** - To preserve non-ferrous coatings, add 0.1% Vancide 51Z by weight of the dry portion.  
*10 pt.*  
**Preservation of Industrial Yarns and Fabrics** - For long term protection of industrial yarns and fabrics from molds, rats and bacterial decomposition, use 0.25% Vancide 51Z based on the weight of the material applied in water dispersion.

*10 pt.*  
**Mold Inhibitor for Latex Paint** - Extensive testing suggests certain loadings and points for the evaluation of VANCIDE 51Z for exterior latex paints, use 1 to 3% based on total paint weight (equal to 20 lbs. per 100 gallons).

**VANCIDE 51Z** - Do not use in formula for metallic dryer.

*10 pt.*  
**STORAGE AND DISPOSAL:** Do not contaminate by storage or disposal. Open dipping or reuse empty container.

*10 pt.*  
**PESTICIDE DISPOSAL:** Pesticide wastes are a violation of Federal Law. Improper disposal of excess pesticide, rinsate is a violation of Federal Law. It should be disposed of by use according to label or your State Pesticide or Environmental Hazardous Waste representative at the nearest office for guidance.

*10 pt.*  
**CONTAINER DISPOSAL:** Dispose of in an approved for pesticide containers, or burn.

*10 pt.*  
**GENERAL:** Consult Federal, State or Local authorities for approved alternative procedures such as incineration.

Directions for other uses of Vancide 51Z may be obtained by writing R. T. Vanderbilt Company, Inc.

See side panel for additional precautionary statements.

ACCEPTED  
 with COMMENTS  
 by EPA Letter Dated

SEP 20 1983

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1065-15



**R. T. Vanderbilt Company, Inc.**

INDUSTRIAL CHEMICALS DIVISION

150 W. Main Street, Norwalk, Conn. 06855 Telephone: (800) 421-9800

**BEST DOCUMENT AVAILABLE**

STATEMENTS - 10 pt.  
 AND DOMESTIC ANIMALS  
 ER - 14 pt.

May cause irritation to  
 if swallowed, inhaled or  
 not get in eyes. Protect eyes  
 Avoid contact with skin or  
 or spray mist.

HAZARDS - 10 pt.

to fish. Do not apply  
 not contaminate water  
 or disposal of wastes.

CHEMICAL HAZARDS - 10 pt.

fire and sparks.

NS FOR USE - 10 pt.

law to use this product in a  
 with its labeling.

Inhibit bacterial and fungal  
 add 0.1 to 0.25 pound  
 of pulp or paper pro-  
 perly added to system in  
 respect. Ahead of area  
 low-d systems should be  
 methods before starting  
 added to the stock  
 tinent addition of small  
 8-hour shift always add  
 dry weight. Ordinarily,  
 the full amount for an 8-  
 mended. Not for use in  
 board coming in contact

# Vancide\* 51Z

U.S. PAT. NO. 3,725,327, 3,737,551

WETTABLE POWDER MILDEW INHIBITOR,  
 PRESERVATIVE AND SLIME CONTROL FOR INDUSTRY

<b>ACTIVE INGREDIENTS:</b>	<b>94.5%</b>
Ziram (Zinc Dimethyldithiocarbamate)	87.0%
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(Total Zinc as Metallic .. 19.8%)	
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Keep out of reach of children. 10 pt.

**DANGER** 14 pt.

STATEMENT OF PRACTICAL TREATMENT 10 pt.

**FIRST AID:** In case of contact, immediately flush eyes or  
 skin with plenty of water for at least 15 minutes. For eyes,  
 call a physician. Remove and wash contaminated clothing  
 before reuse.  
 If swallowed, drink promptly a large quantity of milk, egg  
 whites, or a solution of if these are not available, drink  
 large quantities of water. Call a physician immediately.

**BEST DOCUMENT AVAILABLE**

Directions for Use (Continued)

**Mold Resistant Paper and Paperboard** - To impart mold  
 resistant properties to paper or paperboard, apply as a  
 surface treatment on the press or calendar. Use Vancide  
 51Z diluted as required to obtain 0.5% solids on the weight  
 of the sheet. See TAPPI Standard T47M-54 for mold re-  
 sistance evaluation method. Do not use for the manufacture  
 of mold resistant paper or paperboard intended for food  
 packaging purposes.

**Preservation of Adhesives** - To preserve starch adhesive  
 dispersions add 0.1% Vancide 51Z by weight of the dry  
 starch. To preserve protein adhesive dispersions add  
 0.25% Vancide 51Z by weight of the dry protein.  
**Preservation of Paper Coatings** - To preserve the coating  
 after coating, use 0.1% Vancide 51Z by weight of the dry starch or  
 protein.

**Preservation of Industrial Yarns and Fabrics** - For long-  
 term protection of industrial yarns and fabrics from mi-  
 cro-organisms and bacterial decomposition, use 1.25%  
 = 0.25% Vancide 51Z based on the weight of the material  
 applied in water dispersion.

**Mold Inhibitor for Latex Paint** - Exterior exposure  
 testing suggests certain loadings as starting  
 points for the evaluation of VANCIDE 51Z. For  
 exterior latex paints, use 1 to 3% of VANCIDE 51Z  
 based on total paint weight (equal to about 10 to  
 30 lbs. per 100 gallons).

VANCIDE 51Z - Do not use in formulation containing  
 metallic driers.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed  
 by storage or disposal. Open dumping is prohibited. Do not  
 reuse empty container.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous.  
 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:** Dispose of in an incinerator or landfill  
 approved for pesticide containers, or bury in a safe place.

**GENERAL:** Consult Federal, State or Local disposal authorities  
 for approved alternative procedures such as limited open burning.

Directions for other uses of Vancide 51Z may be ob-  
 tained by writing R. T. Vanderbilt Company, Inc.

EPA REG NO. 1965-19  
 EPA EST. NO. 1965-KY-1

See side panel for additional precautionary statements.



**R. T. Vanderbilt Company, Inc.**

INDUSTRIAL AND AGRICULTURAL CHEMICALS  
 80 Whitehall Street, Newark, N.J. 07102, (609) 224-9600

**BEST DOCUMENT AVAILABLE**

NON-HAZARDOUS RESULTS: Our formulation for use in...  
 is a non-hazardous formulation for use in...  
 with the following instructions:...

20 SEP 1983

R. T. Vanderbilt Co., Inc.  
33 Winfield Street  
East Norwalk, CT 06855

Attention: Mr. W. S. Taylor

Gentlemen:

Subject: Vancide 51E  
EPA Registration 1945-19  
Application Dated July 8, 1981

The label referred to above, submitted in connection with registration under FIFRA is acceptable, provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. In pesticide and container storage and disposal instructions under heading "General" should include statement "If burned stay out of smoke."
  - b. The net contents must be declared on the label or on the container.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

*JHL*  
*for*  
John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure

DIS:LEE:DCR-11832:WANG-021C:pjb:Raven:479-2023:9/12/83

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							