

67869-44

5/17/2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

051707

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Colleen Synder
Manager of Regulatory Affairs for,
Verichem Inc.
3499 Grand Avenue
Pittsburgh, PA 15225

Subject: Veriguard Plus
EPA Registration Number 67869-44
Your Amendment Dated February 22nd, 2007
EPA Received Date February 28th, 2007

The amendment referred to above, submitted in connection with registration under) of the Federal Insecticide, Fungicide, and Rodenticide Act, FIFRA, as amended, to increase the dose range(s) to 5,000 ppm for Ortho phenylphenol (a.i. 99%) and to 8,000 ppm for Dodecylguanidine Hydrochloride (a.i. 35%) under the Material Preservation section, is acceptable.

Our records have been changed to reflect the product name change:

Old Product Name: **MR5005**


New Product Name: **VeriGuard Plus**

A stamped copy of the accepted labeling is enclosed for your records.

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If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

A handwritten signature in black ink, appearing to read "Marshall Swindell", written in a cursive style.

Marshall Swindell

Product Manager 33

Regulatory Management Branch I

Antimicrobial Division(7510P)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical resistant gloves, goggles, face shield, or shielded safety glasses, and a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approved number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH) approved number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any N.R.P. or HE prefilter. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the restroom. Remove and wash contaminated clothing before reuse.

FIRST AID

IF SWALLOWED: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF IN EYES: 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 eye. Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER: Have the product container or label with you when calling a Poison Control Center or doctor before going for treatment. You may also contact 412-331-7299 for emergency medical treatment information. For transportation emergencies call Chemtrec at 1-800-424-9300.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and 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 EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not use or store near heat or open flame.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or residue is a violation of Federal Law. If waste 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

PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

VeriGuard® Plus

FOR THE CONTROL OF ALGAE,
BACTERIA, FUNGI, AND MOLLUSKS
IN A WIDE RANGE OF COMMERCIAL
AND INDUSTRIAL PROCESSES AND
MATERIAL PRESERVATIONS.

Active Ingredients:

Dodecylguanidine hydrochloride.....	30%
Ortho Phenyl Phenol.....	10%
Inert Ingredients:.....	60%
TOTAL.....	100%

DANGER

KEEP OUT OF REACH OF CHILDREN
SEE SIDE PANEL FOR
PRECAUTIONARY STATEMENTS

EPA Reg. No. 67869-44

EPA Est. No. 67869-PA-001

LOT NO. _____

_____ LB. NET WT. _____ kg

SOLD BY:



VERICHEM

VERICHEM INC.

3499 Grand Avenue
Pittsburgh, PA 15225
412-331-7299

DIRECTIONS FOR USE

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

VeriGuard® Plus is approved by the FDA (21 CFR 176.170 and 176.300) for use in the manufacture of paper and paperboard that contacts food and for food packaging. Other than the two uses for pulp and paper mill systems, and food packaging, do not use for any material preservation applications involving direct or indirect food or drinking water contact.

INDUSTRIAL PROCESSES AND WATER SYSTEMS

AIR WASHING SYSTEMS

For use only in Industrial Air Washer Systems that maintain effective mist eliminating components. Badly fouled systems must be cleaned before treatment is begun.

SLUG OR INTERMITTENT METHOD

Initial dose: When system is noticeably fouled, apply 6.6 to 13.2 oz./1000 gal (50 to 100 ppm). Repeat until control is achieved. **Subsequent dose:** When control is evident, apply 3.3 to 6.6 oz./1000 gal. (25-50 ppm) every three days or as needed.

CONTINUOUS METHOD

Initial dose: When system is noticeably fouled, apply 6.6 oz./1000 gal (25-50 ppm) per day. **Subsequent dose:** Maintain initial rate by continuously feeding 3.3 to 6.6 oz./1000 gal. (25-50 ppm) per day.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

For use only in Auxiliary and Standby Commercial and Industrial Systems that maintain effective mist eliminating components, Brewery Pasteurizer, Water and Industrial Recirculating Water Cooling Towers. Badly fouled systems must be cleaned before treatment is begun.

SLUG OR INTERMITTENT METHOD

Initial dose: When system is noticeably fouled, apply 6.6 to 13.2 oz./1000 gal (50 to 100 ppm). Repeat until control is achieved. **Subsequent dose:** When control is evident, apply 3.3 to 6.6 oz./1000 gal. (25-50 ppm) every three days or as needed.

CONTINUOUS METHOD

Initial dose: When system is noticeably fouled, apply 6.6 oz./1000 gal (25-50 ppm) per day. **Subsequent dose:** Maintain initial rate by continuously feeding 3.3 to 6.6 oz./1000 gal. (25-50 ppm) per day.

OIL FIELD WATER SYSTEMS

Badly fouled systems must be cleaned before treatment is begun. Addition may be made at the free water knockouts before or after the injection pumps and injection well headers.

SLUG OR INTERMITTENT METHOD

Initial dose: When system is noticeably fouled, apply 6.6 to 13.2 oz./1000 gal (50 to 100 ppm). Repeat until control is achieved. **Subsequent dose:** When control is evident, apply 3.3 to 6.6 oz./1000 gal. (25-50 ppm) every three days or as needed.

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OIL AND GAS FLUIDS

For use in both terrestrial and offshore drilling muds and packer fluids, for the control of contamination and degradation of a wide range of gels and fluids including fracturing, enhanced oil recovery, injection, well squeezing, drilling, workover and completion fluids. Add VeriGuard® Plus at 500 to 1000 ppm (4 to 8 pt/1000 gallons or 0.18 to 0.36 pt per barrel). For well squeezed fluids add VeriGuard® Plus at 250 to 2000 ppm (2 to 16 pt / 1000 gallons).

OIL PROCESS WATERS

For use in oil and gas well injection and formation waters. VeriGuard® Plus should be injected as a slug dose at any convenient point at 250 to 1000 ppm (2 pt to 8 pt /1000 gallons). A slug dose should be applied from once per week to once per month depending on the severity of contamination.

SEWAGE DISPOSAL LAGOONS

This product reduces the growth of algae on the surface of sewage disposal lagoons, which, if unchecked, can cause the lagoon to become totally anaerobic and emit odors. Dilute VeriGuard® Plus with water to accommodate the delivery characteristics of the pump and spray rig, and apply evenly to the surface of the lagoon. Dosage should be 1.0 to 1.5 ounces (by weight) of VeriGuard® Plus per 100 square feet of surface, depending on the population density of the algal blooms. The interval between treatments will be determined by the reappearance of floating algal blooms and subsequent treatment should be made as spot treatments at the same dosage as the initial treatment. A small outboard motorboat equipped with a tank-pump-spray boom assembly can be used to traverse the lagoon between fragment on opposite shores in order to lay down an even spray.

MATERIAL PRESERVATION

Other than food packaging, do not use for any material preservation applications involving direct or indirect food or drinking water contact.

Amended Proof 02/07

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VeriGuard®
S

CONTROL OF ALGAE,
AND MOLLUSKS
IN INDUSTRIAL
PROCESSING AND
PAPER MILL OPERATIONS.

30%
10%
60%
100%

VERI
CONTROL OF CHILDREN
PANEL FOR
STATEMENTS

44
A-001

WT. _____ kg

RICHEM

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

VeriGuard® Plus is approved by the FDA (21 CFR 176.170 and 176.300) for use in the manufacture of paper and paperboard that contacts food and for use as a preservative. Other than the two uses for pulp and paper mill systems, and food packaging, do not use for any material preservation applications involving direct or indirect food or drinking water contact.

INDUSTRIAL PROCESSES AND WATER SYSTEMS

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For use only in Industrial Air Washer Systems that maintain effective mist eliminating components. Badly fouled systems must be cleaned before treatment is begun.

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CONTINUOUS METHOD
Initial dose: When system is noticeably fouled, apply 6.6 oz./1000 gal (25-50 ppm) per day. Subsequent dose: Maintain initial rate by continuously feeding 3.3 to 6.6 oz./1000 gal. (25-50 ppm) per day.

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For use only in Auxiliary and Standby Commercial and Industrial Systems that maintain effective mist eliminating components. Brewery Pasteurizer Water and Industrial Recirculating Water Cooling Towers. Badly fouled systems must be cleaned before treatment is begun.

SLUG OR INTERMITTENT METHOD
Initial dose: When system is noticeably fouled apply 6.6 to 13.2 oz./1000 gal (50 to 100 ppm). Repeat until control is achieved. Subsequent dose: When control is evident, apply 3.3 to 6.6 oz./1000 gal. (25-50 ppm) every three days or as needed.

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Badly fouled systems must be cleaned before treatment is begun. Addition may be made at the free water knockouts before or after the injection pumps and injection well headers.

SLUG OR INTERMITTENT METHOD
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For use in both terrestrial and offshore drilling muds and packer fluids, for the control of contamination and degradation of a wide range of gels and fluids including fracturing, enhanced oil recovery, injection, well squeezing, drilling, workover and completion fluids. Add VeriGuard® Plus at 500 to 1000 ppm (4 to 8 pt/1000 gallons or 0.18 to 0.36 pt per barrel). For well squeezed fluids add VeriGuard® Plus at 250 to 2000 ppm (2 to 16 pt / 1000 gallons).

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SEWAGE DISPOSAL LAGOONS
This product reduces the growth of algae on the surface of sewage disposal lagoons, which, if unchecked, can cause the lagoon to become totally anaerobic and emit odors. Dilute VeriGuard® Plus with water to accommodate the delivery characteristics of the pump and spray rig, and apply evenly to the surface of the lagoon. Dosage should be 1.0 to 1.5 ounces (by weight) of VeriGuard® Plus per 100 square feet of surface, depending on the population density of the algal blooms. The interval between treatments will be determined by the reappearance of floating algal blooms and subsequent treatment should be made as spot treatments at the same dosage as the initial treatment. A small outboard motorboat equipped with a tank pump/spray boom assembly can be used to traverse the lagoon between fragment on opposite shores in order to lay down an even spray.

MATERIAL PRESERVATION

Other than food packaging, do not use for any material preservation applications involving direct or indirect food or drinking water contact.

ADHESIVE SYSTEMS (NON-PAPER)

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
Automobile adhesives tapes: 2.50 - 50.0 lbs (250-5000 ppm)
Glues: 2.50 - 50.0 lbs (250-5000 ppm)
Nonfood packaging adhesives: 2.50 - 50.0 lbs (250-5000 ppm)
Wallpaper: 2.50 - 50.0 lbs (250-5000 ppm)
Wood Glues: 2.50 - 50.0 lbs (250-5000 ppm)

LEATHER

VeriGuard® Plus may be added directly to the pickle solutions. In the case of chrome leather, an effective protection against mold attack may be obtained without additional labor by stirring VeriGuard® Plus directly to the pickling solution, since VeriGuard® Plus dissolves freely in the alkaline solution. Finished vegetable-tanned leathers and chrome leathers may also be protected against mold attack by a treatment on both sides of the material with a 0.35 - 0.68% solution of VeriGuard® Plus.

Dose Ranges:
Chrome leather (calculated on pelt weight) 0.90 - 2.20%
Leather pasting adhesives 0.40 - 0.90%
Leather pigment finishes 1.70 - 3.50%
Pickle solutions and pickled hides 1.30 - 2.20%

PASTES

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
Wallpaper: 2.50 - 50.0 lbs (250-5000 ppm)
Wood glue: 2.50 - 50.0 lbs (250-5000 ppm)
Nonfood packaging adhesives: 2.50 - 50.0 lbs (250-5000 ppm)

PAINTS, COATINGS, AND STAINS

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
Paints and coatings: (between manufacture and formation): 2.50 - 50.0 lbs (250-5000 ppm)
Coatings systems: (paints and coatings as finished products): 2.50 - 50.0 lbs (250-5000 ppm)
Titanium dioxide and calcium carbonates: (precursors to paint and coating products): 2.50 - 50.0 lbs (250-5000 ppm)

PIGMENTS, DYES, AND FILER SUSPENSION

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
Pigments slurries: (paint dyes for non-clothing such as industrial fibers): 2.50 - 50.0 lbs (250-5000 ppm)

POLYMER DISPERSION AND EMULSIONS

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
Contact polymer systems: 2.50 - 50.0 lbs (250-5000 ppm)
Latex emulsions systems: 2.50 - 50.0 lbs (250-5000 ppm)

PULP AND PAPER MILL PROCESSING CHEMICALS, ADHESIVES, AND COATINGS

Add VeriGuard® Plus directly to the material to be preserved prior to manufacturing into the finished product, (i.e., pulp, broke, polymers, defoamers, alum, emulsions, adhesives, papermill coatings, pigment slurries, and paper products. The dosage rate will depend upon the material to be preserved and the storage time. The actual dosage should be 0.10 - 0.30 lbs./10,000 lbs. (10-30 ppm). Under extreme conditions of spoilage, the dosage rate should be increased to 0.11 - 0.66 lbs./10,000 pounds (12.5 to 80 ppm). The dosage rates are based on a maximum storage time of 2 weeks. For storage times greater than 2 weeks the

maximum concentration should be increased to 100 ppm. Do not use in applications involving direct or indirect food, or in applications.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
Adhesives:
Alum:
Broke:
Defoamers:
Emulsions:
Paper products:
Papermill coatings:
Pigment slurries:
Polymers:
Pulp:

FOOD PACKAGING

For paper and paperboard intended for application of this product must be active ingredient (Dodecylguanidine) in excess of 0.4 percent by weight of the product is effective in controlling microorganisms, which cause deterioration of paper articles molded from paper pulp. It may be used in the beater or applied to the formed coat, or as a uniform spray. If the product is used as an additive, the degree of retention of the product upon the nature of the other system. Technical service is available. Manufacturer of this product to assist in making the proper and most efficient product.

METAL WORKING FLUIDS, LUBRICANTS AND MINERAL OIL BASED PRODUCTS

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
Mineral Oil-Based Products:
Boring and Cutting Oils:
0.50 - 1.90%

Cooling Fluids - Concentrate 9.90 - 49.0%
Ready for Use 0.50 - 2.40%
Fuel Oils 0.20 - 1.40%
Hydraulic Oils 0.50 - 2.40%
Non-Mineral Oil-Based Products
Cooling Fluids 0.50 - 2.90
Cutting Oils 0.50 - 2.90

TEXTILES

VeriGuard® Plus should be added to suitable solvents such as propanediol, mineral spirits, or petroleum solvents converted to a water dilutable and applied directly to the textile or spraying. The preservative is suitable acid like acetic acid, auxiliaries, VeriGuard® Plus mentioned above or is homogenized in alkaline solutions or emulsion preserved by adding VeriGuard® Plus.

ADHESIVE SYSTEMS (NON-PAPER)

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
 Automobile adhesives tapes: 2.50 - 50.0 lbs (250-5000 ppm)
 Glues: 2.50 - 50.0 lbs (250-5000 ppm)
 Nonfood packaging adhesives: 2.50 - 50.0 lbs (250-5000 ppm)
 Wallpaper: 2.50 - 50.0 lbs (250-5000 ppm)
 Wood Glues: 2.50 - 50.0 lbs (250-5000 ppm)

LEATHER

VeriGuard® Plus may be added directly to the pickle solutions. In the case of chrome leather, an effective protection against mold attack may be obtained without additional labor by stirring VeriGuard® Plus directly to the basifying solution, since VeriGuard® Plus dissolves freely in the alkaline solution. Finished vegetable-tanned leathers and chrome leathers may also be protected against mold attack by a treatment on both sides of the material with a 0.35 - 0.69% solution of VeriGuard® Plus

Dose Ranges:
 Chrome leather (calculated on peit weight) 0.80 - 2.20%
 Leather pasting adhesives 0.40 - 0.90%
 Leather pigment finishes 1.70 - 3.50%
 Pickle solutions and pickled hides 1.30 - 2.20%

PASTES

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
 Wallpaper: 2.50 - 50.0 lbs (250-5000 ppm)
 Wood glue: 2.50 - 50.0 lbs (250-5000 ppm)
 Nonfood packaging adhesives: 2.50 - 50.0 lbs (250-5000 ppm)

PAINTS, COATINGS, AND STAINS

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
 Paints and coatings: (between manufacture and formation): 2.50 - 50.0 lbs (250-5000 ppm)
 Coatings systems: (paints and coatings as finished products): 2.50 - 50.0 lbs (250-5000 ppm)
 Titanium dioxide and calcium carbonates: (precursors to paint and coating products): 2.50 - 50.0 lbs (250-5000 ppm)

PIGMENTS, DYES, AND FILER SUSPENSION

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

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 Pigments slurries: (paint dyes for non-clothing such as industrial fibers) 2.50 - 50.0 lbs (250-5000 ppm)

POLYMER DISPERSION AND EMULSIONS

VeriGuard® Plus is used in the preservation of non-food contact paper related aqueous systems. Laboratory testing shows VeriGuard® Plus to be effective in the range of 2.50 - 10.0 lbs (250 to 1000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can be determined by the actual testing based on formula weight.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
 Contact polymer systems: 2.50 - 50.0 lbs (250-5000 ppm)
 Latex emulsions systems: 2.50 - 50.0 lbs (250-5000 ppm)

PULP AND PAPER MILL PROCESSING CHEMICALS, ADHESIVES, AND COATINGS

VeriGuard® Plus directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymers, foams, alum, emulsions, at reser's papermill coatings, pigment fines, and paper products. The dosage rate will depend upon the material to be preserved and the storage time. The actual dosage should be 0.10 - 0.30 lbs/10,000 lbs. (10-30 ppm). Under extreme conditions of bilage, the dosage rate should be increased to 0.11 - 0.66 lbs/10,000 lbs (12.5 to 80 ppm). The dosage rates are based on a maximum storage time of 2 weeks. For storage time greater than 2 weeks the

maximum concentration should be increased to 0.40 - 0.83 lbs/10,000 pounds (50 to 100 ppm). Do not use for adhesives or coatings that involve direct or indirect food, or human drinking water contact application.

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
 Adhesives: 0.10 - 0.30 lbs (10-30 ppm)
 Alum: 0.10 - 0.30 lbs (10-30 ppm)
 Broke: 0.10 - 0.30 lbs (10-30 ppm)
 Defoamers: 0.10 - 0.30 lbs (10-30 ppm)
 Emulsions: 0.10 - 0.30 lbs (10-30 ppm)
 Paper products: 0.10 - 0.30 lbs (10-30 ppm)
 Papermill coatings: 0.10 - 0.30 lbs (10-30 ppm)
 Pigment slurries: 0.10 - 0.30 lbs (10-30 ppm)
 Polymers: 0.10 - 0.30 lbs (10-30 ppm)
 Pulp: 0.10 - 0.30 lbs (10-30 ppm)

FOOD PACKAGING

For paper and paperboard intended for use in contact with food, the rate of application of this product must be adjusted so that the amount of active ingredient (Dodecylguanidine hydrochloride) retained does not exceed 0.4 percent by weight of the paper or paperboard. This product is effective in controlling microorganisms, such as bacteria, fungi, and yeasts, which cause deterioration of paper and paperboard products or articles molded from paper pulp. It may be added to the pulp stock in the beater or applied to the formed sheet by size press or roll coater, or as a uniform spray. If the product is used as a beater additive, the degree of retention of the active ingredient will depend upon the nature of the other additives in the system. Technical service is available from the manufacturer of this product to assist customers in making the proper and most efficient use of the product.

METAL WORKING FLUIDS, LUBRICANTS AND MINERAL OIL BASED PRODUCTS

Dosage Rate Per 10,000 Pounds of Material to be Preserved:
 Mineral Oil-Based Products:
 Boring and Cutting Oils 0.50 - 1.90%

homogeneously metered directly into the dried product. Milling may be necessary in order to obtain consistent particulate sizes.

Recommended Dosages:

Auxiliaries (Sizing Agents, Finishing Agents, Awnings and Tarpaolins) 0.90 - 2.60%
 Cotton Production 0.90 - 4.30%
 Felts 1.70 - 5.20%
 Fire hoses 0.90 - 8.70%
 Geotextiles 0.90 - 4.30%
 Jute, Sisal 0.90 - 3.50%
 Shower Curtains 0.09 - 0.43%
 Spinning Preparations (Wetting Agents) 0.90 - 3.50%
 Upholstery 0.90 - 2.60%
 Wool Production

TEMPORARY SAPSTAIN CONTROL FOR FRESH CUT LUMBER AND OTHER LUMBER

VeriGuard® Plus is converted to alkaline liquid and water dilutable formulations by adding sodium hydroxide or other bases or by preparing emulsion concentrates of VeriGuard® Plus. Auxiliaries may also be added. For the temporary protection of freshly sawn lumber against staining and molding, VeriGuard® Plus solutions as prepared above are applied to the freshly sawn lumber by either dipping or spraying

Recommended Dosages:

Construction Woods 1.70 - 7.0%
 Fresh Cut Lumber 1.70 - 7.0%
 Fruit and Vegetable Containers 1.70 - 5.0%
 Pallets 1.70 - 5.0%

NOTICE: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FOR FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIVES AND WARRANTIES.



Cooling Fluids - Concentrate 9.80 - 49.0%
 Ready for Use 0.50 - 2.40%
 Fuel Oils 0.20 - 1.40%
 Hydraulic Oils 0.50 - 2.40%
 Non-Mineral Oil-Based Products
 Cooling Fluids 0.50 - 2.90%
 Cutting Oils 0.50 - 2.90%

TEXTILES

VeriGuard® Plus should be dissolved in suitable solvents such as ethanol, 1,2-propanediol, mineral spirits, or paraffins or can be converted to a water dilutable alkaline concentrate and applied directly to the textile normally by dipping or spraying. The preservative is affixed to the fiber with a suitable acid like acetic acid. For the preservation of auxiliaries, VeriGuard® Plus is diluted in solvents as mentioned above or is homogeneously distributed with the aid of alkaline solutions or emulsion concentrates. Print thickeners are preserved by adding VeriGuard® Plus directly to the emulsion or

NOTICE TO BUYER: Buyer assumes all risks of use and handling which are at variance in any way with the directions herein. There are no quantities, which extend beyond the description on this label!

8, UN 3265, III
 CORROSIVE LIQUID, ACIDIC ORGANIC, N.O.S.
 (CONTAINS: DODECYLGUANIDINE HYDROCHLORIDE)

ACCEPTED
 with COMMENTS
 in EPA Letter Dated:

051707

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

67869-44