
	<b>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY</b> Office of Pesticide Programs Antimicrobials Division (7510C) 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20460		EPA Reg. Number: <b>67869-43</b>	Date of Issuance: <b>JUN 14 2004</b>
	<b>NOTICE OF PESTICIDE:</b> <u>  X  </u> Registration <u>      </u> Re-registration		Term of Issuance: <b>CONDITIONAL</b>	
	(under FIFRA, as amended)		Name of Pesticide Product: <b>N2001 Antimicrobial</b>	
Name and Address of Registrant (include ZIP code): <b>Verichem, Inc.</b> <b>3499 Grand Avenue</b> <b>Pittsburgh, PA 15225</b>				
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.				
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.				
Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.				
This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:				
1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA Section 4, or as required by registration review under FIFRA Section 3(g).				
2. Make the following labeling changes:				
a. Revise the EPA Registration Number to read, EPA Reg. No. 67869-43.				
b. Place the appropriate EPA Establishment No. on the product labeling.				
Signature of Approving Official:  Marshall Swindell, Product Manager, Team 33, Regulatory Management Branch I, Antimicrobials Division			Date: <b>JUN 14 2004</b>	

EPA Form 8570-6

## CONCURRENCES

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3. Submit three copies of a final printed production label.

The Confidential Statement of Formula dated September 19<sup>th</sup>, 2003, is acceptable.

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

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

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

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch 1  
Antimicrobial Division(7510C)

Enclosure

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SURNAME							
DATE							

# 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. Wear protective eyewear (goggles, face shield, or safety glasses), clothing and chemical resistant gloves. May be fatal if inhaled. Do not breathe vapor or spray mist. Wear a mask or pesticide respirator joint approved by the Mine Safety and Health Administration and the National Institute of Occupational Safety and Health. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

## FIRST AID:

**IF IN EYES:** Hold eyes 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.

**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 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.

**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.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

Have the product container or label with you when calling a poison control center or doctor.

## 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.

## 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, spray mixture or rinsate 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:** Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities.

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

## PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

# N-2001 ANTIMICROBIAL

FOR THE REDUCTION OF GROWTH OF ALGAE, BACTERIA IN SEWAGE LAGOONS; FOR CONTROL OF MICRO-ORGANISMS SUCH AS BACTERIA, FUNGI AND YEASTS WHICH CAUSE DETERIORATION OF PAPER AND PAPERBOARD PRODUCTS; FOR CONTROL OF BACTERIA AND FUNGI IN PULP AND PAPER MILL PROCESSING CHEMICALS, ADHESIVES AND COATINGS, AND IN PULP AND PAPER MILL SYSTEMS; EFFECTIVELY INHIBITS THE GROWTH OF MICROORGANISMS IN AQUEOUS SYSTEMS SUCH AS PASTE AND ADHESIVE SYSTEMS, POLYMER AND LATEX EMULSION SYSTEMS, PIGMENTED SLURRIES AND COATING SLURRIES, TITANIUM DIOXIDE, AND CALCIUM CARBONATE SYSTEMS.

## Active Ingredient:

Dodecylguanidine Hydrochloride .....	35%
Inert Ingredients .....	65%
<b>TOTAL</b>	<b>100%</b>

## • KEEP OUT OF REACH OF CHILDREN DANGER

EPA REG NO. 67869-  
EPA EST NO. 555621-NC-01  
EPA EST NO. 1706-TX-01  
EPA EST NO. 1706-PA-01

LOT NO. \_\_\_\_\_

\_\_\_\_\_ LB NET WT. \_\_\_\_\_ kg

SOLD BY:



# VERICHEM

VERICHEM INC.  
3499 Grand Avenue  
Pittsburgh, PA 15225  
412-331-7299

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

Approval

JUN 14 2004

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

67869-43

## DIRECTIONS FOR USE

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

## INDUSTRIAL PROCESSES AND WATER SYSTEMS

FOR THE CONTROL OF BACTERIAL AND FUNGAL SLIME IN AIR WASHER SYSTEMS, BREWERY PASTEURIZING WATER, AND NON-POTABLE WATER TREATMENT. (Industrial recirculating cooling water and auxiliary and standby commercial and industrial systems. For use only on industrial air washing systems that maintain effective mist eliminating components. Badly fouled systems must be cleaned before treatment is begun. Slug or intermittent method: Initial Dose: When the system is noticeably fouled, apply 6.6 to 13.2 oz/1000 gallons (50-100 ppm). Repeat until control is achieved. Subsequent Dose: When control is evident, apply 3.3 to 6.6 oz/1000 gallon (25-50 ppm) every three days or as needed.

**Continuous Method:** Initial Dose: When the system is noticeably fouled, apply 6.6 to 13.2 oz/1000 gallon (50-100 ppm). Repeat until control is achieved. Subsequent Dose: Maintain initial rate by continuously feeding 3.3 to 6.6 oz/1000 gallon (25-50 ppm) per day.

## PULP AND PAPER MILL SYSTEMS

N2001 Antimicrobial should be added to a paper making system at a point of uniform mixing such as the beater, broke chest pump, save-all tank, or white tank. Initial Dose: When the system is noticeably contaminated, add 0.007-0.57 lbs of N2001 Antimicrobial per ton of pulp or paper (dry basis) (1.2 - 100 ppm active) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment. Subsequent Dose: When microbial control is evident, add 0.007 - 0.57 lbs of N2001 Antimicrobial per ton of pulp or paper (dry basis) (1.2 - 100 ppm active) as a slug dose as necessary to maintain control. Pulp and Paper Mill Systems 0.007 to 0.57 lb per ton (dry basis) (1.2-100 ppm active)

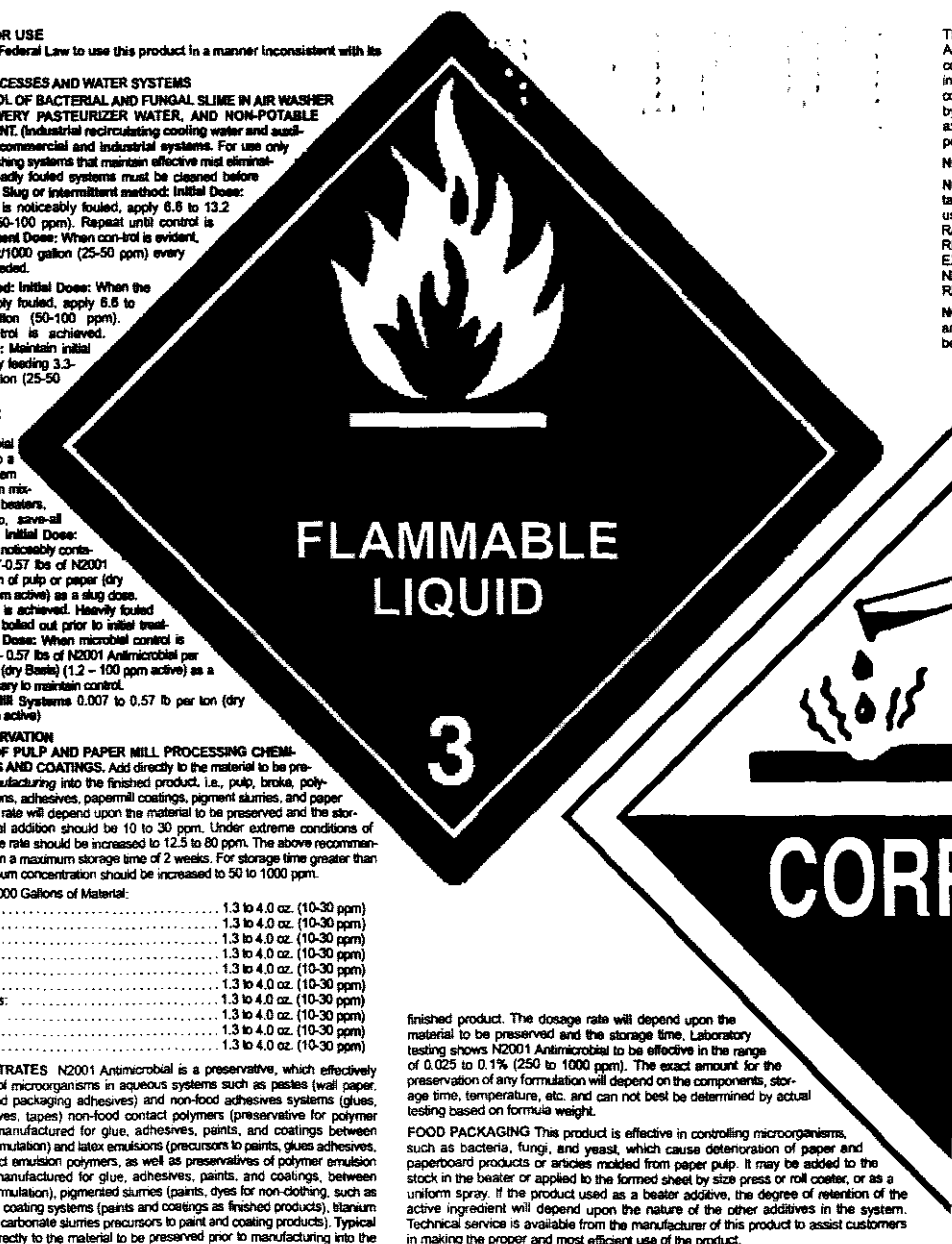
## MATERIAL PRESERVATION

PRESERVATION OF PULP AND PAPER MILL PROCESSING CHEMICALS, ADHESIVES AND COATINGS. Add directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymers, alum, emulsions, adhesives, papermill coatings, pigment slurries, and paper products. The dose rate will depend upon the material to be preserved and the storage time. The usual addition should be 10 to 30 ppm. Under extreme conditions of spoilage, the dosage rate should be increased to 12.5 to 80 ppm. The above recommendations are based on a maximum storage time of 2 weeks. For storage time greater than 2 weeks, the maximum concentration should be increased to 50 to 1000 ppm.

Dosage Rate Per 1000 Gallons of Material:

Adhesives: .....	1.3 to 4.0 oz. (10-30 ppm)
Alum: .....	1.3 to 4.0 oz. (10-30 ppm)
Broke: .....	1.3 to 4.0 oz. (10-30 ppm)
Defoamers: .....	1.3 to 4.0 oz. (10-30 ppm)
Emulsions: .....	1.3 to 4.0 oz. (10-30 ppm)
Paper products: .....	1.3 to 4.0 oz. (10-30 ppm)
Papermill coatings: .....	1.3 to 4.0 oz. (10-30 ppm)
Pigment slurries: .....	1.3 to 4.0 oz. (10-30 ppm)
Polymers: .....	1.3 to 4.0 oz. (10-30 ppm)
Pulp: .....	1.3 to 4.0 oz. (10-30 ppm)

**LIQUID CONCENTRATES** N2001 Antimicrobial is a preservative, which effectively inhibits the growth of microorganisms in aqueous systems such as pastes (wall paper, wood glue, non-food packaging adhesives) and non-food adhesives systems (glues, automobile adhesives, tapes) non-food contact polymers (preservative for polymer systems that are manufactured for glue, adhesives, paints, and coatings between manufacture and formulation) and latex emulsions (precursors to paints, glues adhesives, and non-food contact emulsion polymers, as well as preservatives of polymer emulsion systems that are manufactured for glue, adhesives, paints, and coatings, between manufacture and formulation), pigmented slurries (paints, dyes for non-clothing, such as industrial fibers) and coating systems (paints and coatings as finished products), titanium dioxide and calcium carbonate slurries precursors to paint and coating products). Typical Use Levels: Add directly to the material to be preserved prior to manufacturing into the



finished product. The dosage rate will depend upon the material to be preserved and the storage time. Laboratory testing shows N2001 Antimicrobial to be effective in the range of 0.025 to 0.1% (250 to 1000 ppm). The exact amount for the preservation of any formulation will depend on the components, storage time, temperature, etc., and can not best be determined by actual testing based on formula weight.

**FOOD PACKAGING** This product is effective in controlling microorganisms, such as bacteria, fungi, and yeast, which cause deterioration of paper and paperboard products or articles molded from paper pulp. It may be added to the stock in the beater or applied to the formed sheet by size press or roll coater, or as a uniform spray. If the product 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.