

67869-30

9-4-2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobial Division (7510C)
1200 Pennsylvania Avenue N.W.
Washington, D.C. 20460

EPA Reg.
Number:

67869-30

Date of Issuance:

SEP 04 2002

NOTICE OF PESTICIDE:

☒ Registration
☐ Re-registration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

N-2000 Antimicrobial

Name and Address of Registrant (include ZIP Code):

VeriChem, Inc.
3499 Grand Avenue
Pittsburgh, PA 15225

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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.

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:

1. You 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.

2. You must submit two copies of a final printed label with the following changes:

Signature of Approving Official:

Marshall Swindell *Teanyfish for*
Acting Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date:

SEP 04 2002

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A. As per the Agency letter dated 5/21/2002, in the section titled, "Preservation of Pulp and Papermill Processing Chemicals, Adhesives, and Coatings", add the following exact restriction:

"Do not use for adhesives or coatings that involve direct or indirect food, or human drinking water contact applications".

The active and inert ingredients are not currently cleared for these uses by EPA or FDA.

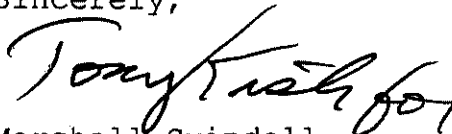
B. In this same section, you must add the missing doses in ounces, to each listed ppm dose. This will make the current use directions consistent and easier to understand.

A copy of the revised label, stamped "accepted with comments", is attached for your records.

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.

If you have any questions concerning this letter, please contact myself at 703-308-6341, or Tony Kish at (703) 308-9443.

Sincerely,



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

Enclosure

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 jointly 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 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.

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 immediately 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.

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

ENVIRONMENTAL HAZARDS

This product 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 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 in a sanitary landfill or by other approved state or local guidance.

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

N-2000 ANTIMICROBIAL

End-use product for reduction of growth of algae, bacteria, and mollusks in commercial and industrial cooling water systems; for control of microorganisms such as bacteria, fungi, and yeasts which cause deterioration of paper and paperboard products; for control of slime-forming bacteria and fungi in air washer systems and brewery pasteurizers; for control of bacteria and fungi in pulp and paper mill processing chemicals, adhesives and coatings, and in pulp and paper mill systems; for auxiliary and standby cooling water systems; for control of algae, bacteria, and fungi in oil recovery drilling fluids and oil field water systems and as a bacteriostatic in disposable diapers. 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 system.

Active Ingredient:

Dodecylguanidine Hydrochloride	35%
Inert Ingredients	65%
TOTAL	100%

• KEEP OUT OF REACH OF CHILDREN

DANGER

SEE SIDE PANEL FOR PRECAUTIONARY STATEMENTS

LOT NO. _____

NET WEIGHT _____ LBS. _____ KGS

EPA Registration No. 67869-
EPA Establishment No. 555621-NC-01
EPA Establishment No. 10445-TX-01
EPA Establishment No. 10445-PA-01

SOLD BY:



VERICHEM INC.

3499 Grand Avenue
Pittsburgh, PA 15225

Final Approved 4-02/02

DIRECTIONS FOR USE

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

DISPOSABLE DIAPERS

N-2000 Antimicrobial is a bacteriostatic intended to be used in the manufacturing of the absorbent material in Disposable Diapers. This product will be added to the beginning of the manufacturing process at a range of 0.075% to 0.20% by weight of the treated material.

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.

NON-PAPER RELATED AQUEOUS SYSTEMS

N-2000 Antimicrobial is used in the preservation of non-paper related aqueous systems such as pastes (wall paper, wood glue, non-food packaging adhesives) and non-food contact adhesive systems (glues, automobile adhesive tapes), non-food contact polymers (preservatives of polymer systems that are manufactured for glues, adhesives, paints and coatings, between manufacture and formulation) and latex emulsions (precursors to paints, glues adhesives, and non-food contact emulsions polymers, as well as preservatives of polymer systems that are manufactured for glues, 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: Laboratory testing shows N2000 Antimicrobial to be effective in the range of 0.025 to 0.1% (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 actual testing based on formula weight.

OIL FIELD WATER SYSTEM

Badly fouled systems should be cleaned prior to treatment. 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) for 2 to 8 hours per day once per week or daily as needed. Repeat until control is achieved.

Subsequent dose: When control is established, apply 3.3 to 6.6 oz/1,000 gal. (25-50 ppm) every three days or as needed to maintain control.

OIL RECOVERY DRILLING FLUIDS

Add directly to the packer fluid or drilling mud. The dosage rate will depend upon the severity of the contamination.

SLUG OR INTERMITTENT METHOD Initial dose: When system is noticeably fouled apply 6.6 to 13.2 oz/1000 gal. (50 to 100 ppm) intermittently for 2 to 8 hours per week or daily as needed. Repeat until control is achieved.

Subsequent dose: When control is established, apply 3.3 to 6.6 oz/1,000 gal. (25-50 ppm) every three days or as needed to maintain control.

PULP AND PAPER MILL SYSTEMS

Add 0.007 to 0.1 lb. of N-2000 per ton (dry basis) of pulp or paper produced as slug dose for the control of bacterial and fungal slime in the production of paper. Add N-2000 to the Beater or Hydropulper to ensure uniform mixing.

PRESERVATION OF PULP AND PAPERMILL 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, 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 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 for 2 weeks. For storage time greater than 2 weeks the maximum concentration should be increased to 50 to 1000 ppm.

PROCESS WATERS AND NON-POTABLE WATER TREATMENT

For use only in Industrial Air Washing System, Brewery Pasteurizer Water, Industrial Recirculating Cooling Water and Auxiliary and Standby Commercial and Industrial 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/1,000 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) per day.

Subsequent dose: Maintain initial rate by continuously feeding 3.3 to 6.6 oz/1000 gal (25-50 ppm) per day.

CORROSIVE
(Contains...)