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 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY of 3

JAN 26 1995

Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670

Attention: Archy F. Slover
 Chemist

Subject: Bio-Quat
 EPA Registration No. 9152-17
 MOU Compliance Amendment dated November 30, 1994

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes listed below before you release the product for shipping bearing the amended label.

1. Remove the statement "Only for sale to, use, and storage by service persons".
2. Revise the wording for Herpes simplex to read Herpes Simplex type 1.

A stamped copy of the labeling is enclosed for your records. Submit 5 copies of the final label prior to releasing the product for marketing.

If you have any question concerning this letter, please contact Wanda Mitchell at (703) 305-6141.

Sincerely yours,



Walter C. Francis
 Acting Product Manager (31)
 Antimicrobial Program Branch
 Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

DIRECTION FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. BIO-QUAT solution has been designed specifically for hospitals, food processing plants, dairies, restaurants, bars, and other institutions where disinfection and sanitization is of prime importance.

DISINFECTION-To disinfect previously cleaned hard inanimate surfaces (such as walls, floors, table tops), apply BIO-QUAT solution with mop, cloth, sponge or mechanical sprayer so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry.

DILUTION RATES-General Disinfection-add 3 ounces per 10 gallons of water. Hospital Disinfection-add 3 1/2 ounces per 10 gallons of water.

For disinfection of previously cleaned surgical instruments, barber tools and dental equipment, simply submerge instruments into solution containing 1 1/2 ounces BIO-QUAT per 2 gallons of water for 10 minutes.

For disinfection, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use.

DEODORIZER-To deodorize, apply BIO-QUAT solution as indicated under the head "General Disinfection" above.

MILDEWSTAT-To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops), add 3 ounces BIO-QUAT solution per 2 gallons of water. Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

SANITATION-To sanitize previously cleaned and rinsed non-porous food contact surfaces, prepare 200 ppm active quaternary solution by adding 1 ounce BIO-QUAT to 8 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200 ppm BIO-QUAT solution for at least 1 minute making sure to wet all surfaces completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

To sanitize mobile items (such as drinking glasses, eating utensils), immerse in 200 ppm BIO-QUAT solution for at least 1 making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface of instrument that (1) is introduced directly into human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

PRECAUTIONARY STATEMENTS
 Hazard to Humans and Domestic Animals
DANGER

Keep Out Of Reach Of Children. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

STATEMENT OF PRACTICAL TREATMENT

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 all contaminated clothing before reuse. If swallowed drink large quantities of water. Call a physician.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulators shock, respiratory depression, and convulsion may be needed.

BIO - Q

DISINFECTANT

DEODORIZER

ACTIVE INGREDIENTS

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)

dimethyl benzyl ammonium chlorides

n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl ethylbenz

ammonium chlorides

INERT INGREDIENTS:

ACCEPTED
 with COMMENTS
 in EPA Letter Dated

JAN 26 1995

EPA REGISTRATION

EPA EST NO. 91

under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for **ONLY FOR SALE TO, USE, AND STORAGE** registered under EPA No. 91-152-17

KEEP OUT OF REACH

DANGER

See side panels for additional precautionary

NET CONTENTS:

(310) 695-1232

Morgan-Gal

BEST AVAILABLE

BIO-QUAT solution provides sanitizing, disinfecting and deodorizing in Hospitals, Food Processing Plants, Dairies, Restaurants, Bars, and other Institutions. When used as recommended, it is effective as a sanitizer against Escherichia coli and Staphylococcus aureus; and as a disinfectant against Staphylococcus aureus, Salmonella choleraesuis and Pseudomonas aeruginosa. BIO-QUAT is authorized under the Food Additive Amendment of the Federal Food, Drug and Cosmetic Act for use as a sanitizing solution at 200 ppm active level without requiring a final potable water rinse.

DISINFECTION-At 3 ounces per 10 gallon dilution, BIO-QUAT exhibits effective disinfectant activity against the organisms: Salmonella choleraesuis and Staphylococcus aureus.

At 3½ ounces per 10 gallons dilution, BIO-QUAT is an acceptable hospital disinfectant and against Pseudomonas aeruginosa.

VIRUCIDAL ACTIVITY*-This product when used on environmental, inanimate hard surfaces at 3½ ounces per 10 gallons of water is effective against influenza A2 (representative of the flu virus), Herpes simplex (causative agent of fever blisters and mononucleosis), Adenovirus Type 5 (causative agent of upper respiratory infections), and Vaccinia Virus (representative of the pox virus group).

EFFICACY TESTS HAVE DEMONSTRATED THAT BIO-QUAT IS AN EFFECTIVE BACTERICIDE, AND VIRUCIDE* IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

DEODORIZATION-BIO-QUAT deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, pet areas and any other areas which are prone to odors caused by microorganisms.

MOLD & MILDEWSTAT-BIO-QUAT prevents and controls mold and mildew and the odors they cause on hard non-porous inanimate surfaces.

SANITIZATION-When used for sanitization of previously cleaned food equipment or food contact items limit active quaternaries to 200 ppm. (1 oz. to 8 gallons of water). Wet all surfaces thoroughly by immersion, flooding or spraying for at least 1 minute. Allow to drain and air dry. See directions for use for additional information.

BIO-QUAT is an effective sanitizer when diluted in water up to 750 ppm hardness. (CaCO₃)

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

STORAGE-Store in a dry place no lower in temperature than 50°F. or higher than 120°F.

CONTAINER DISPOSAL-Do Not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of it in a sanitary landfill, or by other procedures approved by State and Local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated or, if allowed by local authorities, by burning. If burned, stay out of smoke.

PESTICIDE DISPOSAL-Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of 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.

SANTA FE SPRINGS, CA 90670

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