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DIRECTIONS 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.

DISINFECTANT-To disinfect previously cleaned hard inanimate surfaces (such as walls, floors, table tops), apply BIO-QUAT solution with mop, cloth, sponge 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 3½ ounces per 10 gallons of water.

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 heading "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.

SANITIZATION: 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 wet all surface 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 minute making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

BIO-QUAT solution provides sanitizing, disinfecting and deodorizing in Hospital, 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 without requiring a final potable water rinse.

DISINFECTANT- 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, BIO-QUAT is an acceptable hospital disinfectant and demonstrates disinfectant activity against *Pseudomonas aeruginosa*.

VIRUCIDAL ACTIVITY- This product when used on environmental, inanimate hard surfaces at 3½ ounces per gallons of water is effective against Influenza A₁ (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 surface.

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 with a coarse spray 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)

ACCEPTED

FEB 14 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under 9152-12
EPA Reg. No. **ACTIVE INGREDIENTS**

BIO-QUAT

DISINFECTANT **SANITIZER**
DEODORIZER **VIRUCIDE***

n-Alk (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
dimethyl benzyl ammonium chlorides	10.0%
n-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl	
ammonium chlorides	10.0%
INERT INGREDIENTS:	80.0%
	TOTAL 100.0%

EPA REGISTRATION NO. 9152-17
EPA EST NO. 9152-CA-1

KEEP OUT OF REACH OF CHILDREN
DANGER

See side panels for additional precautionary and practical treatment statements

NET CONTENTS:

(562) 695-1232

Morgan-Gallacher, Inc

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FIRST AID

- 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 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 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 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.
 - Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Questions? Contact: 1-800-537-5567

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless 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 sewer treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Contains no phosphorus.

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 or offer for recondition; puncture and dispose of it in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. For containers 1 gallon or less: Do reuse empty container (bottle, can, bucket). Wrap container and put it in trash.

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 by use according to label instructions, contact your State Pesticide or Environment Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

SANTA FE SPRINGS, CA 90670

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