

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is designed for use in hospitals, nursing homes, hotels, schools, homes, dairies, restaurants, bars, animal quarters, kennels and institutions where disinfection, sanitization and deodorization is of prime importance. This product is authorized by USDA for use in Federally inspected meat and poultry processing plants. When used as directed, this product is formulated to disinfect hard nonporous, inanimate environmental surfaces such as floors, walls, metal surfaces, stainless steel surfaces, porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, cabinets, tables, chairs, and telephones.

This product 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. This product can also be used for sanitization of shell eggs intended for food in shell egg and egg product processing plants when used as directed.

DISINFECTION — To disinfect pre-cleaned, inanimate, hard nonporous surfaces apply this product with mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

POTATO STORAGE AND HANDLING EQUIPMENT

Pre-clean surface. Wash thoroughly, then mop or spray on all surfaces a solution of 3 fluid ounces of this product per 5 gallons of water. A fresh solution should be used for each application.

For sanitizing and disinfecting floors, walls and inanimate hard surfaces, apply solution with a mop or cloth. Sanitize with 1 oz. to 4 gals. of water. Disinfect with 3 oz. to 5 gals. of water. Kills *Staphylococcus aureus* and *Salmonella choleraesuis*. For heavily soiled or contaminated areas, a pre-cleaning step is recommended.

HOSPITALS

For floors, walls and other hard surfaces. In Nursing Homes, Institutions, as well as Sink Tops, Garbage Pails, Telephone and Restrooms, use 3.5 oz. per 5 gals. of water. Apply with cloth, mop or sponge. At this level effective against *Pseudomonas aeruginosa* PRD-10. For heavily soiled or contaminated areas, a pre-cleaning step is recommended.

FOOD PROCESSING EQUIPMENT

For sanitization of previously cleaned food processing equipment and food utensils, dilute 1 oz. per 4 gals. of water to provide 200 ppm of active quaternaries. At this level, NO POTABLE WATER RINSE is required.

DAIRIES

To sanitize dairy equipment such as tanks, lines, pails, and milk cans, first clean and rinse the equipment thoroughly. Then apply sanitizing solution containing 1 oz. to 4 gals. of water (200 ppm). At this level, NO POTABLE WATER RINSE is required. Follow recommendations of local Health Board.

RESTAURANT AND BAR RINSE

Dishes, glasses, silverware, cooking utensils, wash with soap or synthetic detergent, rinse thoroughly and immerse in a sanitizing solution containing 1 oz. to 4 gals. of water. NO TERMINAL POTABLE WATER RINSE is required.

This product when used on environmental inanimate, hard surfaces at 3.5 oz per 5 gals. of water is effective against influenza A2, Herpes Simplex, Adenovirus type 5 and Vaccinia Viruses.

FOR ROOM FOGGING (For Sanitizing, as an optional method only)

DIRECTIONS:

To minimize the danger of cross-contamination from environmental surfaces apply solution as a fog as described below, before applying standard routine terminal cleaning and disinfecting practices. 1. Remove all human, animal and plant life from the room. Humans, including the operator must not be present at the time of fogging. 2. Open closet doors and drawers. 3. Set up 34" revolving platform in center of room. 4. Mount Jet FOG-MASTER TRI-JET MODEL 6208 OR OTHER FOGGING device delivering equivalent spray at 3 RPM. 5. Fill sprayer reservoir with 1.5 ounces to 1 gallon of water to produce 1150 ppm active ingredients. 6. Set sprayer mechanism to deliver 1 gallon of solution. 7. Fog for 15 minutes for an average 2100 cu. ft. room. For different room sizes, vary spray time proportionately to ensure complete wetting of exposed surfaces. 8. Wait 2 hours before entering room after treatment. 9. Rinse fogging equipment thoroughly with clear water following use.

STORAGE AND DEGREENING ROOM FOGGING

DIRECTIONS:

To minimize the danger of cross-contamination, remove all decayed fruit and thoroughly clean the room to be fogged using standard terminal cleaning and disinfecting practices on all accessible surfaces. 1. Evacuate the area to be fogged, remove all plant and animal life, food products, food contact equipment and food containers. Humans, including the operator must not be present at the time of fogging. 2. Open all closed areas within the room to be fogged. 3. Seal all outside air vents, doors, and windows to isolate the area to be fogged. 4. Calculate the volume of the room to be fogged: For each 2100 cubic feet of volume use 1 1/2 oz. of QAT 1000, 3 oz. of Diethylene glycol additive, and 32 oz. of water (4110 ppm active ingredient). 5. Put the required materials in the Brodget fogger. Locate the fogger where the material delivered will be circulated within the room by the room air handler. 6. With the room air handling system operating begin fogging the room using a discharge rate that will take 45 minutes to 1 hour to discharge the complete volume required. DO NOT operate the room humidity system while fogging. 7. Wait 2 hours before entering the room after treatment. 8. Rinse fogging equipment thoroughly with clear water following use.

GENERAL DISINFECTION — Add 3 ounces of this product per 5 gallons of water for disinfection against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Listeria monocytogenes*, and *Yersinia enterocolitica*.

DISINFECTION OF POULTRY EQUIPMENT, ANIMAL QUARTERS AND KENNELS — For disinfection of pre-cleaned poultry equipment (brooders, watering founts, feeding equipment), animal quarters and kennels, apply a solution of 3 1/2 ounces of this product per 5 gallons of water. Remove all poultry, animals, and feed from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry or animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the surfaces with the disinfecting solution for a period of 10 minutes. Ventilate building, coops, and other closed spaces. Do not house poultry or animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

VIRUCIDAL ACTIVITY — This product, when used on environmental inanimate hard nonporous surfaces at 3 1/2 ounces per 5 gallons of water exhibits effective virucidal activity against Influenza A (Japan (representative of the common flu virus), Herpes Simplex

QAT 1000

**Disinfectant
Deodorizer** **Sanitizer
*Virucide**
Mildewstat (on hard nonporous, inanimate surfaces)

ACTIVE INGREDIENTS:

- Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₀)
dimethyl benzyl ammonium chlorides.....5.0%
- Alkyl (68% C₁₄, 32% C₁₂)
dimethyl ethylbenzyl ammonium chlorides.....5.0%
- INERT INGREDIENTS.....90.0%
- TOTAL**.....**100.0%**

EPA Reg. No. 2311-11

EPA Est. No. 2311-IL-01

**KEEP OUT OF REACH OF CHILDREN
DANGER**
See side panel for additional precautions and practical treatment statements.

MANUFACTURED BY:

THE HAAG LABORATORIES, INC.
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ACCEPTED
AUG 25 1987
Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 2311-11

Type 1 (causative agent of fever blisters), Adenovirus Type 5 (causative agent of upper respiratory infections), Vaccinia virus (representative of a pox virus group), and Avian influenza A (Turkey/Wisconsin (causative agent of an acute avian lower respiratory tract infection), and HIV-1 (Human Immunodeficiency Virus Type 1).

SANITIZATION — Recommended for use in restaurants, dairies, food processing plants, and bars. When used as directed this product is an effective sanitizer against *Escherichia coli*, *Staphylococcus aureus*, *Yersinia enterocolitica* and *Listeria monocytogenes*. Remove all gross food particles and soil from areas which are to be sanitized with a good detergent, pre-rinse, pre-soak or pre-scrape treatment. Rinse with a potable water rinse. To sanitize pre-cleaned and potable water-rinsed, non-porous, food contact surfaces, prepare a 200 ppm active quaternary solution by adding 1 ounce of this product to 4 gallons of water, 2 1/2 ounces to 10 gallons of water, or 5 ounces to 20 gallons of water.

To sanitize inanimate items such as tanks, chopping blocks and counter tops, flood the area with a 200 ppm active quaternary solution for at least 60 seconds making sure to wet all surfaces completely. Remove excess, drain the use solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil is apparent. To sanitize job items such as drinking glasses and eating utensils, immerse in a 200 ppm active quaternary solution for at least 60 seconds making sure to immerse completely. Remove items, drain the use solution from the surface and air dry. Prepare a fresh solution daily or more frequently as soil is apparent. When used for sanitization of previously cleaned food equipment or food contact items, limit the active quaternary to 200 ppm. NO POTABLE WATER RINSE IS REQUIRED. This product is an effective sanitizer when diluted in water up to 750 ppm hardness (CaCO₃).

To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a solution of 1 ounce of this product in 4 gallons of warm water (200 ppm quat). The solution should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product shall be subjected to a potable water rinse only if they are broken immediately for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be reused or sanitizing eggs.

KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (hospitals, nursing homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS). **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

PERSONAL PROTECTION: When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks or eye coverings. **CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **CONTACT TIME:** Allow surface to remain wet for 10 minutes.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

DEODORIZATION: To deodorize, apply this product as indicated under the heading GENERAL DISINFECTION. **MILDREWSTAT:** To control mold and mildew on pre-cleaned, hard, nonporous surfaces add 3 ounces of this product per 5 gallons of water. Apply solution with a cloth, mop, sponge, or hand-pump trigger sprayer making sure to wet all surface completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

DANGER: KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Do not breathe vapor or spray mist. Causes severe eye damage. Do not get in eyes, 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 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 milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Call a physician.

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

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 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. Contains no phosphorus.

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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 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 - [Larger than 1 gal.] - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. In addition, plastic containers may be disposed of by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. [1 gal. and smaller] - Do not reuse empty container. Wrap container and put in trash.

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