

Star Chemical Co.

2501 N. W. 75th ST. E.E. MIAMI, FLORIDA 33147

QUAT S

ACCEPTED

MAY 1 1 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 9897-14

Disinfectant / Sanitizer
Deodorizer / Virucide*

ACTIVE INGREDIENTS:

| | |
|--|-------------|
| n-Alkyl (62% C ₁₂ , 30% C ₁₄) dimethyl benzyl ammonium chlorides | 5% |
| n-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides | 5% |
| INERT INGREDIENTS: | 90% |
| TOTAL | 100% |

EPA REG. No. 9897-14
EPA EST. No. 9897-FL-01

KEEP OUT OF REACH OF CHILDREN

FOR SALE TO, USE AND STORAGE BY SERVICE PERSONNEL ONLY.

DANGER

See side panel for additional precautionary and practical treatment statements.

NET CONTENTS

QUAT S 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*. **QUAT S** is authorized under the Food Additive Amendment of the Federal Food, Drug and Cosmetic Act for use as a sanitizing solution at 200ppm active level without requiring a final potable water rinse.

DISINFECTION At 3 ounces per 5 gallon dilution, **QUAT S** exhibits effective disinfectant activity against the organisms: *Salmonella choleraesuis* and *Staphylococcus aureus*.

At 3½ ounces per 5 gallons dilution, **QUAT S** 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 5 gallons of water is effective against Influenza A2 (representative of the flu virus), Herpes simplex (causative agent of blisters and mononucleosis), Adenovirus Type 2 (causative agent of upper respiratory infections), and Vaccinia Virus (representative of the pox virus group).

Efficacy tests have demonstrated that **QUAT S** is an effective bactericide, and virucide* in the presence of organic soil (5% blood serum).

DEODORIZING ACTIVITY Deodorizes those areas which normally 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 AND MILDEWSTAT QUAT S 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 200ppm. At this level **NO POTABLE WATER RINSE** is required.

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

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL
- OPEN DUMPING IS PROHIBITED
- DO NOT REUSE EMPTY CONTAINER

PESTICIDE DISPOSAL Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide or buried in a safe place.

CONTAINER DISPOSAL Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

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General Classification

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

QUAT S has been designed specifically for hospitals, food processing plants, dairys, 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 **QUAT S** with mop, cloth, or 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 5 gallons of water. Hospital Disinfection - add 3½ ounces per 5 gallons of water.

For disinfection of previously cleaned surgical instruments, barber tools and dental equipment, simply submerge instruments into solution containing 1½ ounces **QUAT S** per gallon 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 **QUAT S** as indicated under the heading "General Disinfectant" above.

MILDEWSTAT To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops), add 3 ounces **QUAT S** per gallon 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 or mold is apparent.

Sanitizer To prepare a 200ppm active quaternary solution by adding 1 ounce **QUAT S** to 4 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200ppm **QUAT S** solution for at least 60 seconds 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 200ppm **QUAT S** for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

PRECAUTIONARY STATEMENTS

Hazard to Human and Domestic Animals

DANGER

Keep Out of Reach of Children. Causes severe eye and skin 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 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 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.

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