

Eco-Line

Q-QUAT II

Disinfectant-Cleaner-Sanitizer-Fungicide-Mildewstat-
Virucide-Deodorizer for Hospitals, Institutional and Industrial Use

**FOR SALE FOR USE AND STORAGE BY
MAINTENANCE PERSONNEL ONLY**

Effective in hard water up to 400 ppm hardness (calculated as CaCo₃) in the presence of 5% serum contamination

ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride	6.510%
Diocetyl dimethyl ammonium chloride	3.255%
Didecyl dimethyl ammonium chloride	3.255%
Alkyl (C ₁₂ , 50% C ₁₁ , 40%, C ₁₀ , 10%) dimethyl benzyl ammonium chloride	8.680%

Inert Ingredients

KEEP OUT OF REACH OF CHILDREN 100.000%

DANGER:

See side panel for additional precautionary statements.
EPA Reg. No. 1677-96 EPA Est. 1677-IL-2
Net Contents: 1 Gallon (3.78 l)

Cross-contamination is a major housekeeping concern not only in hospitals but in schools, institutions and industry. Q-QUAT II has been formulated to aid in the reduction of cross-contamination in these areas.

Q-QUAT II is a one step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal and will prevent the growth of mold and mildew and their odors when used as directed.

Q-QUAT II is an effective one step sanitizer cleaner for use on non food contact surfaces.

When used as directed, Q-QUAT II will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

Directions for Use

GENERAL CLASSIFICATION

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

Q-QUAT II is a proven one step disinfectant cleaner sanitizer fungicide mildewstat virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply Q-Quat II to walls, floors and other hard non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain and bedframes with a cloth, mop or mechanical scrubbing device so as to thoroughly wet surfaces. For heavily soiled areas a preliminary scrubbing is required. Prepare a fresh solution daily or when use is soiling becomes visible.

Disinfection—to disinfect hard non-porous surfaces, add 0.5 oz per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of Q-QUAT II will be neutralized in the presence of 5% serum and 400 ppm hardness water by the APAT (United States and Canada) code effective against a broad spectrum of gram-negative organisms. The organisms are represented by:

- | | |
|--------------------------------|------------------------------------|
| <i>Pseudomonas aeruginosa</i> | <i>Salmonella schottmueleri</i> |
| <i>Staphylococcus aureus</i> | <i>Streptococcus faecalis</i> |
| <i>Salmonella choleraesuis</i> | <i>Shigella dysenteriae</i> |
| <i>Escherichia coli</i> | <i>Brevibacterium ammoniagenes</i> |
| <i>Streptococcus pyogenes</i> | <i>Stimmonella typhi</i> |
| <i>Klebsiella pneumoniae</i> | <i>Serratia marcescens</i> |
| <i>Enterobacter aerogenes</i> | |

ACCEPTED

OCT 12 1984

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1677-96



Fungal Performance. Q-QUAT II is an effective fungicide against *Trichophyton mentagrophytes* (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc., at 0.5 oz/gallon.

Mold and Mildew Control. At 0.5 oz/gallon, Q-QUAT II will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

***Virucidal Performance.** At 0.5 oz/gal use-level, Q-QUAT II was evaluated in the presence of 5% serum and 400 ppm hard water and found to be effective against the following viruses: Influenza A:Brazil, Herpes Simplex and Vaccinia on inanimate environmental surfaces.

Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables, etc.) At 0.5 oz/gallon use-level, Q-QUAT II is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

Manufactured by
Economics Laboratory, Inc., St. Paul, Minnesota 55102

MADE IN THE U.S.A.

Precautionary Statements Hazards to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed or absorbed through skin. Avoid contamination of food.

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 contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

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

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: PESTICIDE SPRAY MIXTURE OR RINSE WATER THAT CANNOT BE USED ACCORDING TO LABEL INSTRUCTIONS MUST BE DISPOSED OF ACCORDING TO FEDERAL OR APPROVED STATE PROCEDURES UNDER SUBTITLE C OF THE RESOURCE CONSERVATION AND RECOVERY ACT.

CONTAINER DISPOSAL: TRIPLE RINSE (OR EQUIVALENT) THEN OFFER FOR RECYCLING OR RECONDITIONING, OR DISPOSE OF IN A SANITARY LANDFILL OR BY INCINERATION IF ALLOWED BY STATE AND LOCAL AUTHORITIES.

▶ **GENERAL:** CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES

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Didecyl dimethyl ammonium chloride	3.255%
Alkyl (C ₁₂ , 50%; C ₁₄ , 40%; C ₁₆ , 10%): dimethyl benzyl ammonium chloride	8.680%

Inert Ingredients 78.300%
100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER:

See side panel for additional precautionary statements.

EPA Reg. No. 1677-96 EPA Est. 1677-IL-2

Net Contents: 1 Gallon (3.78 l)

Cross-contamination is a major housekeeping concern not only in hospitals, but in schools, institutions and industry. Q-QUAT II has been formulated to aid in the reduction of cross-contamination in these areas.

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Q-QUAT II is an effective one step sanitizer cleaner for use on non food contact surfaces.

When used as directed, Q-QUAT II will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors.

Directions for Use GENERAL CLASSIFICATION

It is a violation of Federal Law to use this product in a manner not intended with its labeling. Q-QUAT II is a proven one step disinfectant cleaner sanitizer fungicide mildewstat virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination. Apply Q-Quat II to walls, floors and other hard (non porous) surfaces such as tables, chairs, countertops, sinks, tile, porcelaine and bedframes with a cloth mop or mechanical floor device so as to thoroughly wet surfaces. For heavily soiled areas a preliminary scrubbing is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection—to disinfect hard non porous surfaces, add 0.5 cc per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of Q-QUAT II is proven effective in the presence of 5% serum and 400 ppm hardness water. Q-QUAT II is a disinfectant that includes activity against a broad spectrum of gram negative and gram positive bacteria representing:

- | | |
|--------------------------------|------------------------------------|
| <i>Pseudomonas aeruginosa</i> | <i>Salmonella schottmuelieri</i> |
| <i>Staphylococcus aureus</i> | <i>Staphylococcus faecalis</i> |
| <i>Salmonella choleraesuis</i> | <i>Shigella dysenteriae</i> |
| <i>Escherichia coli</i> | <i>Brevibacterium ammoniagenes</i> |
| <i>Streptococcus pyogenes</i> | <i>Salmonella typhi</i> |
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Mold and Mildew Control. At 0.5 oz/gallon, Q-QUAT II will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

***Virucidal Performance.** At 0.5 oz/gal use-level, Q-QUAT II was evaluated in the presence of 5% serum and 400 ppm hard water and found to be effective against the following viruses: Influenza A/Brazil, Herpes Simplex and Vaccinia on inanimate environmental surfaces.

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**Precautionary Statements
Hazards to Humans and Domestic Animals**

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Keep out of reach of children. Corrosive. Causes eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed or absorbed through skin. Avoid contamination of food.

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 contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin or water. If these are not available, drink large quantities of water. Avoid vomiting. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contribute to respiratory and gastric damage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

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: PESTICIDE SPRAY MIXTURE OR RESIDUE SHOULD NOT BE USED ACCORDING TO LABEL INSTRUCTIONS. MIXTURES SHOULD BE DESTROYED ACCORDING TO FEDERAL OR APPROVED STATE PROCEDURES. CONTACT THE ATTORNEY GENERAL OF THE RESOURCE CONSERVATION AND RECOVERY ACT.

CONTAINER DISPOSAL: TRIPLE RINSE FOR REUSE OR RECYCLING. RECYCLING OR RECONDITIONING OR DISPOSAL BY INCINERATION OR BY INCINERATION IF ALLOWED BY STATE AND FEDERAL REGULATIONS.

GENERAL: CONSULT FEDERAL, STATE OR LOCAL REGULATIONS FOR APPROVED ALTERNATIVE PROCEDURES.