

Directions for Use

CLASSIFICATION

Use this product in a manner consistent with the label directions.

Use as a disinfectant/sanitizer for general use on hard surfaces.

For other hard, non-porous surfaces and bedframes with a cloth top or mechanical surfaces. For heavily soiled areas, a preliminary scrubbing is recommended.

For hospital surfaces add 2 oz. per gallon of water for 10 minutes. At this use level VERSA-QUAT will disinfect hard surfaces in medical institutions.

For non-food contact surfaces add 1 oz. per gallon. Surfaces must remain wet for 30 seconds.

For 0.5 oz. per gallon of water. The product spectrum is broad and effective against bacteria and fungi as determined by the AOAC Use-Duration test.

AOAC Flagship Test

At 2 oz. per gallon use-level VERSA-QUAT was evaluated in the presence of 10% serum and found to be effective against the following viruses: Herpes Simplex (a member of the Herpesviridae family that causes infectious mononucleosis), Adenovirus (representative of the group known as Type B Adenovirus), and Poliovirus (represented by the strains commonly called the "wild" and "attenuated" strains) on inanimate environmental surfaces.

Virucidal Performance

At 2 oz. per gallon use-level VERSA-QUAT was evaluated in the presence of 10% serum and found to be effective against the following viruses: Herpes Simplex (a member of the Herpesviridae family that causes infectious mononucleosis), Adenovirus (representative of the group known as Type B Adenovirus), and Poliovirus (represented by the strains commonly called the "wild" and "attenuated" strains) on inanimate environmental surfaces.

For non-medical institutional and industrial uses. At 1 oz. per gallon of water, VERSA-QUAT offers excellent cleaning and germicidal effectiveness. It is effective against Staphylococcus aureus, Salmonella choleraesuis and Escherichia coli. The same AOAC tests listed above to confirm suitable performance in hospitals were used.

Sanitizing Non-Food Contact Surfaces (such as walls, floors, tables, etc.) At 1 oz. per gallon use-level, VERSA-QUAT is an effective sanitizer in waters up to 850 ppm hardness against Staphylococcus aureus and Klebsiella pneumoniae in the presence of 5% serum on hard porous and non-porous inanimate surfaces.

Cross contamination is a major housekeeping concern not only in hospitals, but in institutions, and industry. VERSA-QUAT is formulated for this problem area. It both cleans and disinfects effectively and is virucidal when used as directed. Its hard surface disinfecting action will reduce the hazard of cross-contamination.

VERSA-QUAT is an extremely effective one-step sanitizer for non-food contact surfaces. It cleans and sanitizes in waters up to 850 ppm hardness. This hard water tolerance is in excess of most potable waters and will insure complete sanitizing action when used as directed.

Two ounces of VERSA-QUAT per gallon of water will deodorize surfaces in bathrooms, garbage storage areas, and other areas where bacterial growth can cause mild odors. Prevents odor caused by mold and mildew.

Precautionary Statements

Hazards to Human and domestic animals

WARNING

Keep out of reach of children. May cause severe eye irritation or eye damage. Causes skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Avoid contamination of food. Not for household use.

STORAGE AND DISPOSAL

THIS PRODUCT MUST BE KEPT UNDER LOCKED STORAGE SUFFICIENT TO MAKE IT INACCESSIBLE TO CHILDREN OR PERSONS UNFAMILIAR WITH ITS PROPER USE.

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

- OPEN DUMPING IS PROHIBITED.

- DO NOT REUSE EMPTY CONTAINER.

PESTICIDE DISPOSAL

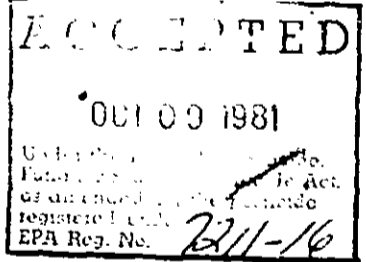
PESTICIDE, SPRAY MIXTURE OR RINSATE THAT CANNOT BE REUSE OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES.

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) AND DISPOSE IN AN INCINERATOR OR LANDFILL APPROVED FOR PESTICIDE CONTAINERS, OR BURY IN A SAFE PLACE.

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES, SUCH AS LIMITED OPEN BURNING.



ONLY FOR SALE TO, USE, AND STORAGE BY
PROFESSIONAL MAINTENANCE PERSONNEL AT
INSTITUTIONAL OR COMMERCIAL FACILITIES.

VERSA-QUAT

Cleaner-Disinfectant
Fungicide
Sanitizer with Organic
Hospital, Institutional and Industrial Use

Active Ingredients

1,2-Dodecyl dimethyl ammonium chloride
Tetra sodium ethylene diamine tetra acetate
Sulfuric acid
Sodium metasilicate anhydrous

Inert Ingredients

**KEEP OUT OF REACH OF CHILDREN
WARNING**

Statement of Practical Treatment

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. For eye contact, flush with water and wash thoroughly and frequently before use.

If swallowed, drink promptly a large quantity of water, egg whites, gelatin solution. Avoid alcohol, caffeine and stimulants.

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**Directions for Use
GENERAL CLASSIFICATION**

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

VERSA-QUAT is a proven one step cleaner, disinfectant, sanitizer, fungicide-virucide in the presence of a moderate amount of organic soil.

Apply VERSA-QUAT to walls, floors and other hard (non-water) non-porous surfaces such as tables, chairs, counters, sinks and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection - To disinfect hard, non-porous hospital surfaces add 2 1/2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use level VERSA-QUAT is also virucidal and fungicidal. At 1 1/2 oz. per gallon, VERSA-QUAT will disinfect hard non-porous surfaces in industry and non-medical institutions.

Sanitizing - To sanitize porous or non-porous non-food contact surfaces add 1 oz. per 2 1/2 gallons of water. Treated surfaces must remain wet for 30 seconds.

For hospitals and nursing homes add 2 1/2 oz. per gallon of water. The broad spectrum activity of VERSA-QUAT has been evaluated in the presence of 5% serum and found to be effective against the following organisms by the AGAC Use-Dilution test:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Staphylococcus epidermidis
- Escherichia coli
- Streptococcus pyogenes
- Proteus mirabilis
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Bacteroides subtilimulans
- Streptococcus faecalis
- St. genus lysentis var.
- Brevibacterium linum

ACCEPTED
OCT 09 1981
Under the Fungicide and Rodenticide Act, as amended, for the Fungicide registered under EPA Reg. No. 7211-16

AOAC Fungicidal Test

VERSA-QUAT is an effective fungicide against Trichophyton, Athletes, and Trichosporon when used on floors in areas such as rooms, shower and bath areas, exercise facilities, etc.

Virucidal Performance

At 2 oz. per gallon use-level VERSA-QUAT was evaluated in the laboratory and found to be effective against the following viruses: Herpes Simplex virus family that causes infectious mononucleosis, chicken pox (varicella-zoster virus), Adenovirus Type 5 (a causative virus in respiratory disease represented by the strains commonly called the Hong Kong Flu) on inanimate environmental surfaces.

For non-medical institutional and industrial use: At 1 1/2 oz. per gallon use-level, VERSA-QUAT delivers excellent cleaning and germicidal effectiveness against Staphylococcus aureus, Salmonella choleraesuis and Escherichia coli. Tests used above to confirm satisfactory performance for hospital use.

Sanitizing Non-Food Contact Surfaces (such as walls, floors, etc.) At 1 oz. per gallon use-level, VERSA-QUAT is an effective sanitizer in water hardness against Staphylococcus aureus and Klebsiella pneumoniae 5% serum on hard porous and non-porous environmental surfaces.

Cross-contamination is a major housekeeping problem in hospitals, but in institutions, and industry formulated for this problem area. It both cleans effectively and is virucidal when used as directed. Disinfecting action will reduce the hazard of cross-contamination.

VERSA-QUAT is an extremely effective one-step cleaner for non-food contact surfaces. It cleans and sanitizes in 10 ppm hardness. This hard water tolerance is in excess of 100 ppm and will insure complete sanitizing action directed.

Two ounces of VERSA-QUAT per gallon of water on surfaces in bathrooms, garbage storage areas, and other areas where bacterial growth can cause mat scum. Prevents mold and mildew.

Directions for Use

CLASSIFICATION

Law to use this product in a manner
relating.

cleaner-disinfectant sanitizer fungicide virucide in
of organic soil

and other hard (inanimate) non porous surfaces
links and led frames with a cloth, mop or mechanical
of surfaces. For heavily soiled areas a preliminary
solution daily or when use solution becomes visibly

porous hospital surfaces add 2 oz per gallon of
wet for 10 minutes. At this use level VERSA-QUAT
oz per gallon. VERSA-QUAT will disinfect hard
non-medical institutions

of porous non-food contact surfaces, add 1 oz per
must remain wet for 30 seconds

add 2.5 oz per gallon of water. The broad spectrum
evaluated in the presence of 10% serum and found to be
ions by the AOAC Use-Dilution test

AOAC Fungicidal Test

VERSA-QUAT is an effective fungicide against Trichophyton mentagrophytes, the
the most difficult to kill when used at the recommended level. It is effective in hospital
rooms, shower and bath areas, crevices, etc.

Virucidal Performance

At 2 oz per gallon use-level VERSA-QUAT was evaluated in the presence of 10% serum
and found to be effective against the following viruses: Herpes Simplex (a member of the
virus family that causes infectious mononucleosis and is a representative of the pox
viruses), Adenovirus Type 8 (a causative virus of acute respiratory infection), and
represented by the strains commonly called the "cold" virus and the "common flu" virus
on inanimate environmental surfaces

For non-medical institutional and industrial uses. At 1 oz per gallon of water VERSA-
QUAT shows excellent cleaning and germicidal effectiveness. It is effective against
Staphylococcus aureus, Salmonella choleraesuis and Escherichia coli. The same AOAC
tests used above to confirm suitable performance in hospitals were used

Sanitizing Non-Food Contact Surfaces (such as walls, floors, tables, etc.) At 1 oz per
gallon use-level, VERSA-QUAT is an effective sanitizer in waters of up to 850 ppm
hardness against Staphylococcus aureus and Klebsiella pneumoniae in the presence of
5% serum on hard porous and non-porous environmental surfaces

Cross-contamination is a major housekeeping concern not only in
hospitals, but in institutions, and industry. VERSA-QUAT is
formulated for this problem area. It both cleans and disinfects
effectively and is virucidal when used as directed. Its hard surface
disinfecting action will reduce the hazard of cross-contamination

VERSA-QUAT is an extremely effective one-step sanitizer for
non-food contact surfaces. It cleans and sanitizes in waters up to 850
ppm hardness. This hard water tolerance is in excess of most potable
waters and will insure complete sanitizing action when used as
directed

Two ounces of VERSA-QUAT per gallon of water will deodorize
surfaces in bathrooms, garbage storage areas and other areas where
bacterial growth can cause mal odors. Prevents odor caused by mold
and mildew

Precautionary Statements

Hazards to Human and domestic animals

WARNING

Keep out of reach of children. May cause severe eye irritation
or eye damage. Causes skin irritation. Do not get in eyes, on
skin or on clothing. Harmful if swallowed. Avoid
contamination of food. Not for household use

STORAGE AND DISPOSAL

THIS PRODUCT MUST BE KEPT UNDER LOCKED STORAGE SUFFICIENT
TO MAKE IT INACCESSIBLE TO CHILDREN OR PERSONS UNFAMILIAR
WITH ITS PROPER USE

- 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 RINSATE THAT CANNOT BE USED OR
CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL
APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM
WATER SUPPLIES

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) AND DISPOSE IN AN INCINERATOR OR
LANDFILL APPROVED FOR PESTICIDE CONTAINERS, OR BURY IN A
SAFE PLACE

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR
APPROVED ALTERNATIVE PROCEDURES SUCH AS LIMITED OPEN
BURNING

ACCEPTED

OCT 09 1981

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, or the Fungicide
registered under
EPA Reg. No. 221-16

BEST DOCUMENT AVAILABLE

ONLY FOR SALE TO, USE AND STORAGE BY
PROFESSIONAL MAINTENANCE PERSONNEL AT
INSTITUTIONAL OR COMMERCIAL FACILITIES.

ONE GALLON

VERSA-QUAT

Cleaner, Disinfectant, Sanitizer
For Institutional Use

Active Ingredients
Sodium Hypochlorite
Sodium Hydroxide
Water

Inert Ingredients

CATALOG NO 188518

KEEP OUT OF REACH OF CHILDREN WARNING

Statement of Practical Treatment

In case of contact, wash with plenty of water. If swallowed, do not induce vomiting. If in eyes, flush with plenty of water. If on skin, wash with plenty of water.

If swallowed, drink plenty of water. If in eyes, flush with plenty of water. If on skin, wash with plenty of water.

Additional First Aid Information

EPA Registration No. 121-16
EPA Establishment No. 7211-MN-1

THE ULMER PHARMACEUTICAL COMPANY

Ulmer Pharmaceutical Supply Co.
2442 FENNERTON LANE, ST. LOUIS, MO. 63114

Directions for Use

GENERAL CLASSIFICATION

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

VERSA-QUAT is a disinfectant, sanitizer and cleaner. It is used for cleaning and disinfecting surfaces in hospitals, nursing homes, and other institutional facilities.

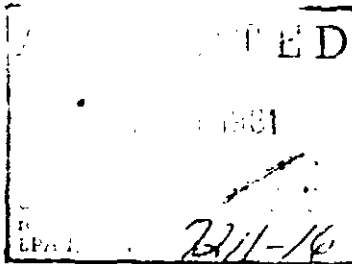
Apply VERSA-QUAT to surfaces to be cleaned and disinfected. For general cleaning, spray the surface with the solution. For heavily soiled areas, a preliminary scrubbing is required. Rinse the surface with water. Surfaces become ready for use.

Disinfection: For disinfection, use 2.5 oz. per gallon of water. For general cleaning, use 1.25 oz. per gallon of water. For heavily soiled areas, use 2.5 oz. per gallon of water. Surfaces become ready for use.

Sanitizing: To sanitize surfaces, use 1.25 oz. per gallon of water. Surfaces become ready for use.

For hospitals and nursing homes, add 2.5 oz. per gallon of water. This concentration is effective against the following organisms as determined by the ATCC Use Test, in test:

- Staphylococcus aureus
- Staphylococcus epidermidis
- Staphylococcus saprophyticus
- Staphylococcus sciuri
- Staphylococcus carnosus
- Staphylococcus hyacinthinus
- Staphylococcus marimaris
- Staphylococcus pasteurii
- Staphylococcus schweinitzii
- Staphylococcus simulans
- Staphylococcus vitreus
- Staphylococcus vitreus



ATCC Fungicidal Test

VERSA-QUAT was tested against the following organisms as determined by the ATCC Use Test, in test:

Virucidal Performance

At 200 ppm use level, VERSA-QUAT was evaluated for its effectiveness against the following viruses: Herpesvirus, Adenovirus, Rotavirus, and Poliovirus. It was found to be effective against all of these viruses.

For non-medical institutional and industrial uses: At 1.25 oz. per gallon use level, VERSA-QUAT is an effective sanitizer against Staphylococcus aureus, Salmonella choleraesuis and Escherichia coli.

Sanitizing-Non-Food Contact Surfaces (such as walls, floors, etc.): At 1.25 oz. per gallon use level, VERSA-QUAT is an effective sanitizer against Staphylococcus aureus and Klebsiella pneumoniae.

Cross-contamination is a major housekeeping problem in hospitals but in institutions and industry formulated for this problem area. It both effectively and is virucidal when used as directed. Disinfecting action will reduce the hazard of cross-contamination.

VERSA-QUAT is an extremely effective non-food contact surface sanitizer. It cleans and sanitizes hard water and will insure complete sanitizing action.

Two ounces of VERSA-QUAT per gallon of water in bathrooms, garbage storage areas, and other areas where bacterial growth can cause malodors. Prevent and reduce.