

QC QUAT IV is a heavy-duty disinfectant cleaner with superior cleaning efficiency. It has been formulated to aid in the reduction of cross-contamination in institutions, schools and hospitals.

QC QUAT IV is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and will inhibit mold and mildew and their odors when used as directed. QC QUAT IV

is an effective one-step sanitizer-cleaner for use on porous and non-porous non-food contact surfaces in waters up to 400 ppm hardness.

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 if swallowed. Avoid contamination of food.

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.

ACCEPTED
 100% CONTENTS
 In EPA Label Panel

NOV 28 1982

This is the label for the product
 46704-6

QC QUAT IV

**Heavy Duty
 Disinfectant-Cleaner-Fungicide
 Mildewstat-Virucide[®]-Sanitizer-Deodorizer
 with Organic Soil Tolerance
 for Institutional and Hospital Use**

Active Ingredients	
Octyl decyl dimethyl ammonium chloride	0.768%
Dioctyl dimethyl ammonium chloride	0.384%
Didecyl dimethyl ammonium chloride	0.384%
Alkyl (C ₁₂ , 50%; C ₁₁ , 40%; C ₁₀ , 10%) dimethyl benzyl ammonium chloride	1.024%
Inert Ingredients	97.440%
	100.000%

**KEEP OUT OF REACH OF CHILDREN
 DANGER**

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.

**SEE LEFT PANEL FOR ADDITIONAL
 PRECAUTIONARY STATEMENTS**

EPA Registration No.

EPA Establishment No. 46704-MN1

Net Contents

MANUFACTURED BY:
 Qual-Chem Industries, Inc.
 2140 Kasota Ave., St. Paul, MN 55108
 FOR SALE FOR USE AND STORAGE
 BY MAINTENANCE PERSONNEL ONLY

**Directions for Use
 GENERAL CLASSIFICATION**

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

QC QUAT IV is a proven "one-step" cleaner - disinfectant - sanitizer - fungicide - mildewstat - virucide in the presence of organic soil.

Apply QC QUAT IV to walls, floors and other hard (inanimate) surfaces such as tables, chairs, countertops, sinks and bedframes with a cloth, mop or mechanical spray. Surface must be sprayed until thoroughly wetted. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when the solution becomes visibly dirty. Treated surfaces must remain wet for ten minutes.

Disinfection -

For Schools, Institutions (Non-Medical) & Industrial Use: 2 oz. per gallon use level. The activity of

QC QUAT IV has been evaluated in the presence of 5% serum by the AOAC Use-Dilution method and found to be effective against a broad spectrum of gram positive and gram negative organisms as represented by:

- Serratia marcescens
- Salmonella typhi
- Bacillus subtilis
- Salmonella choleraesuis
- Escherichia coli
- Streptococcus pyogenes
- Proteus mirabilis
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Salmonella schottmulleri
- Shigella dysenteriae
- Brevibacterium ammoniagenes

For Hospitals and Nursing Homes: 2 oz. per gallon use level.

At this dilution, QC QUAT IV is effective against Pseudomonas aeruginosa as well as the broad spectrum organisms listed. The same AOAC tests used above were used to confirm suitable performance.

Virucidal Performance: At 2 oz. per gallon use level,

QC QUAT IV was evaluated in the presence of 5% serum and found to be effective against the following viruses: Influenza A (Brazil) virus, Herpes Simplex and Vaccinia on inanimate environmental surfaces.

Fungicidal Performance -

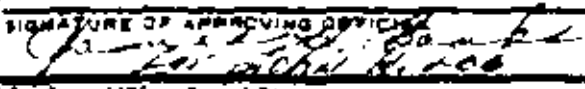
QC QUAT IV is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used at 2 oz. per gallon in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

Mildewstat Performance: At 2 oz. per gallon,

QC QUAT IV will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated above). Allow to dry on surface and repeat weekly or when mildew growth returns.

Sanitizing-Non-Food Contact Surfaces: At 1/2 oz. per gallon use level, 30 second contact time, QC QUAT IV

is an effective sanitizer in waters of up to 400 ppm hardness against Staphylococcus aureus and Klebsiella pneumoniae for both porous and non-porous surfaces. For sanitizing non-food contact surfaces, NO POTABLE WATER RINSE IS REQUIRED.

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (998-967) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 46704-6	DATE OF ISSUANCE
	TERM OF ISSUANCE 1982	
	NAME OF PESTICIDE PRODUCT QC Quat IV	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Qual-Chem Industries, Inc. 2140 Kasota Avenue St. Paul, MN 55108		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:		
1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.		
2. Make the labeling changes listed below before you release the product for shipment:		
a. Add the phrase "EPA Registration No. 46704-6."		
b. For the label size submitted, the STORAGE AND DISPOSAL heading and the Child Hazard Warning "KEEP OUT OF REACH OF CHILDREN" would require a 12 point type size minimum and the signal word DANGER (front panel only) would require an 18 point type size minimum.		
3. As per phone conversation between the Agency and James Thalhuber and Dick Anderson on October 5, 1982, the following clarifications have been made to your Confidential Statement of Formula.		
<input checked="" type="checkbox"/> ATTACHMENT 1 APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
		

BEST DOCUMENT AVAILABLE



4. The confirmatory data submitted for the above referenced product are acceptable and have been assigned the accession number 248375.

5. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

James H. Banks
for

John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767)

Enclosure

PRECAUTIONARY STATEMENTS
Hazards to Humans and domestic animals
KEEP OUT OF REACH OF CHILDREN

DANGER

HARMFUL OR FATAL IF SWALLOWED.
CAUSES EYE DAMAGE AND SKIN IRRITATION.

Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge treated effluent into lakes, streams, ponds or public waters unless in accordance with NPDES permit. For guidelines contact your regional office of the Environmental Protection Agency.

PHYSICAL HAZARDS

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME

Corrosive

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumpings prohibited.

CONTAINER DISPOSAL: Reread container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.

GENERAL: Consult Federal, State or Local Disposal Authorities for approved alternative procedures.

PESTICIDE DISPOSAL

PESTICIDE THAT CANNOT BE USED, OR CHEMICALLY REPROCESSED, SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN