

QUATROYAR

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. **QUATROYAR FORMULATION 2-21** has been formulated to aid in the reduction of cross-contamination in these areas.

QUATROYAR FORMULATION 2-21 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.

QUATROYAR FORMULATION 2-21 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, **QUATROYAR FORMULATION 2-21** 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.

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.

**QUATROYAR
D-16**

Disinfectant-Cleaner-Sanitizer-Fungicide
Mildewstat-Virucide-Deodorizer
for Hospitals, Institutional and Industrial Use
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	1.850%
Dioctyl dimethyl ammonium chloride	0.825%
Didcyl dimethyl ammonium chloride	0.825%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₀ , 10%) dimethyl benzyl ammonium chloride	2.200%

Inert Ingredients

94.500%
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. 43368-75

EPA Establishment No. 6896-1E-1

Net Contents

MANUFACTURED BY:
LONZA INC., 22-10 Route 208, Fair Lawn, N.J. 07410
YONAR LABORATORIES, INC. 675-6 NEVER AV
For Sale For Use And Storage BALTIMORE
By Maintenance Personnel Only MD. 212 37

Directions for Use

GENERAL CLASSIFICATION

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

QUATROYAR FORMULATION 2-21 is a proven "one-step" disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide-deodorizer which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply **QUATROYAR FORMULATION 2-21** to walls, floors and other hard (non-metal) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and porcelains with a cloth, mop or mechanical spray device to assist thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when the solution becomes visibly dirty.

Disinfection - to disinfect hard, non-porous surfaces, in hospital use 2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At 14 oz. per gallon of water, **QUATROYAR FORMULATION 2-21** will disinfect hard non-porous surfaces in school, industry and non-medical institutions.

2 oz. per gallon use level. **QUATROYAR FORMULATION 2-21** has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Staphylococcus typhimurium
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Streptococcus faecalis
- Shigella flexneri
- Shigella sonnei
- Salmonella typhi
- Shigella dysenteriae

For schools, industry and non-medical institutions use: At 14 oz. per gallon of water, **QUATROYAR FORMULATION 2-21** delivers excellent cleaning and germicidal effectiveness. It is effective against Staphylococcus aureus, Salmonella choleraesuis, Escherichia coli and Serratia marcescens. The same AOAC test is used to confirm performance for hospital use.


Fungicide Control - QUATROYAR FORMULATION 2-21 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, and restrooms, etc., at 2 oz./gallon.

Mold and Mildew Control: At 14 oz./gallon, **QUATROYAR FORMULATION 2-21** 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 mold or mildew returns.

Virucidal Performance: At 14 oz. per gallon use level, **QUATROYAR FORMULATION 2-21** was evaluated and found to be effective in the presence of 5% serum and 400 ppm hard water, against the following viruses: Influenza A/PR/81/HK/1, Herpes Simplex and Vaccinia on non-metal environmental surfaces.

Killing Non-Food Contact Surfaces: (such as pipes, walls, toilet, etc.) At 14 oz. per 2 1/2 gallon use level, **QUATROYAR FORMULATION 2-21** is an effective sanitizer against Staphylococcus aureus and Klebsiella pneumoniae on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes.

ACCEPTED
with COMMENTS
in EPA Letter dated
OCT 15 1982
Under the Federal Insecticide,
Fungicide, and Rodenticide
Act as amended, for the pesticide
registered under EPA Reg. No.
43368-75

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	43465-1	OCT 15 1982
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input checked="" type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	YEAR OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
Quatoyar D-16		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Yonar Laboratories, Inc. 2113 Graythorn Road Baltimore, MD 21220		
NOTE: Changes in labeling formats 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. 43465-1."		
b. The product name as declared on your application form "Quatoyar D-16" must be consistently declared throughout the label text. Abbreviated variations are not acceptable.		
c. 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.		
d. Verify your correct company address. The company address as declared on your application form must be declared on the label.		
<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
		

BEST DOCUMENT AVAILABLE

35465-1

- e. Delete the number "43469 Distr. 8" from the label. This is not your registration number.
- f. You are reminded that the EPA Establishment Number must appear in a suitable location on the label or on the immediate container. We recommend that you verify your EPA Establishment No. with your Regional EPA office located in Philadelphia, PA for the appropriate EPA Establishment No. An application form is enclosed for your convenience.

3. As per phone conversation between the Agency and Zbigniew Piatek on October 5, 1987, the following clarifications have been made to your Confidential Statement of Formula.

- a. The EDTA are Mampene 100 from Hampshire Chemical and Versene 100 from Dow Chemical.
- b. The linear secondary alcohol ethoxylate is deleted from the confidential.
- c. The linear primary alcohol ethoxylate is deleted from the confidential.

4. The confirmatory data submitted for the above referenced product are acceptable and have been assigned the Accession Number 248380.

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