

FRONT PANEL



#25 QUATERNARY AMMONIUM CLEANER-DISINFECTANT

Highly Concentrated Germicide Based on a Unique Blend
of Quaternaries with Organic Soil Load Tolerance

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

Active Ingredients

Octyl Decyl Dimethyl Ammonium Chloride	3 750%
Dioctyl Dimethyl Ammonium Chloride	1 875%
Didecyl Dimethyl Ammonium Chloride	1 875%
Alkyl (C ₁₂ 50 C ₁₄ 40 C ₁₆ 10)	
Dimethyl Benzyl Ammonium Chloride	5 000%

Inert Ingredients

87 500%
100 000%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

Statement of Practical Treatment

In case of contact, immediately flush eyes with copious quantity 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 water. If eye irritation persists, call a physician. If these are not available, drink large quantities of water. Avoid contact with eyes and clothing.

NOTE TO PHYSICIAN: Precaution: Avoid ingestion. For treatment of eye irritation, flush with water. Measures against circulation shock as well as against an allergic reaction. If the drug is inhaled or mechanically may be needed. If persistent irritation occurs, consult a physician. The drug is a mild irritant. In case of a shortacting irritant, it is not a danger.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
FOR SALE FOR USE AND STORAGE BY MAINTENANCE PERSONNEL ONLY

A Product of *James Veiley & Sons, Inc.* ST. LOUIS, MO.

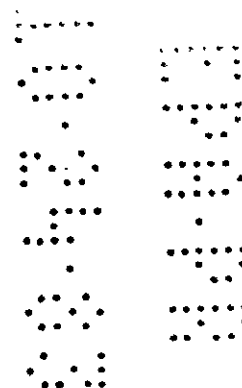
Net Contents

ACCEPTED
with COMMENTS
In EPA REG. NO. 1

NOV 28 1963

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535
REG. NO. 1-434

421-434



LEFT PANEL

Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry this quaternary ammonium cleaner disinfectant 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 from environmental surfaces.

When used as directed, this quaternary ammonium cleaner disinfectant will deodorize toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and will inhibit the growth of mold and mildew and their odors when used as directed.

This product is economical to use because it is highly concentrated and should be handled with care.

Precautionary Statements
Hazards to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes severe 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. Avoid contamination of food.

STORAGE AND DISPOSAL
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.
STORAGE: Keep container closed when not in use.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.
Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

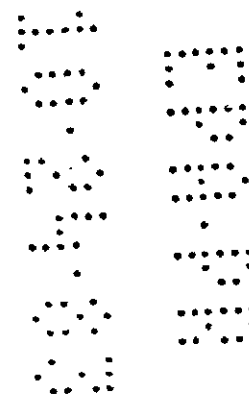
EPA Registration No. 421-434
EPA Establishment No. 421-MO-1

ACCEPTED
with COMMENTS
In EPA Label Draft

NOV 28 1983

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
as required by 40 CFR 155.62
registered under EPA Reg. No.

421-434



RIGHT PANEL

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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.

This quaternary ammonium cleaner disinfectant is a proven "one-step" cleaner disinfectant-sanitizer-fungicide virucide in the presence of moderate amounts of organic soil.

Apply this quaternary ammonium cleaner disinfectant to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, 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 surfaces, add 1/2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At this use level, this quaternary ammonium cleaner disinfectant is also virucidal and fungicidal.

Sanitizing - To sanitize porous or non-porous, non-food contact surfaces, add 1/4 oz. per gallon of water.

1/2 oz. per gallon use level. The broad spectrum activity of this quaternary ammonium cleaner-disinfectant has been evaluated in the presence of 5% serum and found to be effective against the following by the AOAC Use-Dilution test:

<i>Pseudomonas aeruginosa</i>	<i>Enterobacter aerogenes</i>
<i>Staphylococcus aureus</i>	<i>Salmonella schottmuelleri</i>
<i>Salmonella enteritidis</i>	<i>Streptococcus faecalis</i>
<i>Escherichia coli</i>	<i>Shigella dysenteriae</i>
<i>Klebsiella pneumoniae</i>	<i>Breubacterium ammoniagenes</i>

AOAC Fungicidal Test

This quaternary ammonium cleaner disinfectant is effective against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, shower and bath areas, exercise areas, dressing rooms, etc.

Mildewstatic Performance - At 1/2 oz. per gallon, this quaternary ammonium cleaner disinfectant will effectively inhibit the growth of mold and mildew and prevent its recurrence when applied to hard, non-porous surfaces (as indicated in general instructions) at least once a week to dry on surface and repeat when mildew growth returns.

Virucidal Performance

*At 1/2 oz. per gallon use level, this quaternary ammonium cleaner disinfectant was evaluated in the presence of 10% serum and found to be effective against the following viruses: Herpes Simplex (a member of the herpes family that causes infectious mononucleosis, shingles and genital herpes), and Influenza A (the Hong Kong Flu virus) on non-porous environmental surfaces.

Sanitizing-Non-Food Contact Surfaces (such as floors, walls, tables, etc.) At 1/4 oz. per 2 gallon use level, 30 seconds of contact time this quaternary ammonium cleaner disinfectant is an effective sanitizing agent in waters of up to 600 ppm hardness against *Staphylococcus aureus* and *Klebsiella pneumoniae* in the presence of 5% serum on porous and non-porous environmental surfaces.

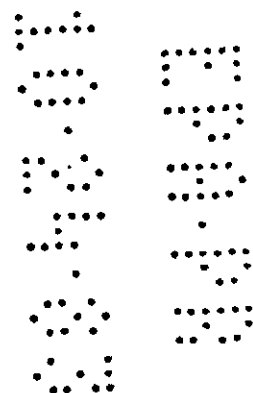
Type 1 and 2

BEST DOCUMENT AVAILABLE

ACCEPTED
WITH COMMENTS
in EPA Letter D-100

NOV 28 1983

For information only, this is not a
final EPA decision. Act
according to the EPA Reg. No.
421-434



28 NOV 1983

James Varley & Sons Inc.
1200 Switzer Ave.
St. Louis MO 63147

Attention: Raymond J. Turner
Registrar

Gentlemen:

Subject: #25 Quaternary Ammonium Cleaner-Disinfectant
EPA Registration No. 421-434
Your Application Dated October 20, 1983

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A) is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 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 bearing the amended labeling:

- a. Revise the statement: (Virucidal Performance section - right panel)
".....on inanimate environmental surfaces."
to read:
".....on hard nonporous inanimate environmental surfaces."
- b. The correct nomenclature for the word: *Choleraesuis* is *choleraesuis*. The letter "c" shouldn't be capitalized for species designation. (right panel)
- c. Delete the word: "...etc..."
(AOAC Fungicidal Test section - right panel)
- d. Revise the statement: (right panel)
"....Herpes Simplex Types 1 and 2 and
to read:
"....Herpes Simplex Type 1 and Type 2...."

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

EPA Form 1320-1 (4-81) OFFICIAL FILE COPY

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3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,



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

Enclosure

DCR-32423:Lee:11/4/83:del.11/14/83:CBI-01:tar