

AUG 23 1988

**Brisman-Kennedy, Inc.**  
2140 Energy Park Drive  
St. Paul, MN 55108

**Attention: Stephen A. Hanson**

**Gentlemen:**

**Subject: H.D. Quat**  
EPA Registration No. 14505-6  
Your Application Dated April 4, 1988

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Delete the words "General Classification."
  - b. Delete the statement "Only For Sale To, Use, And Storage By Service Persons."
2. We have adjusted our records accordingly.

Old Name: QC Quat IV  
New Name: H.D. Quat

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

59717:I:Lee:L-12:KENCO:6/28/88:8/9/88:CS:vo:ck:rw

CONCURRENCES

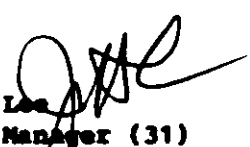
SYMBOL								
SURNAME								
DATE								

-2-

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

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-3675.

Sincerely yours,



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

Enclosure

**H.D. QUAT** 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. **H.D. QUAT** 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. **H.D. QUAT** 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 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 FEDERAL AND LOCAL AUTHORITIES.

#### GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITY FOR APPROPRIATE PROCEDURES.

**NET CONTENTS:**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 14505-5

# H.D. QUAT

Heavy-Duty  
Disinfectant • Cleaner • Fungicide • Mildewstat • Virucidal  
with Organic Soil Tolerance for Institutional and Home Use

#### Active Ingredients

Octyl decyl dimethyl ammonium chloride .....  
Dioctyl dimethyl ammonium chloride .....  
Didecyl dimethyl ammonium chloride .....  
Alkyl (C<sub>12</sub>, 50%; C<sub>11</sub>, 40%; C<sub>10</sub>, 10%) dimethyl benzyl ammonium chloride

#### Inert Ingredients

EPA Registration No. **KEEP OUT OF REACH OF CHILDREN**  
14505-5 **DANGER**

#### Statement of Practical Treatment

In case of contact, immediately flush eyes or skin with plenty of water and consult a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, or water if available, drink large quantities of water. Avoid alcohol. Call a physician.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of emetics against circulatory shock, respiratory depression, and convulsion may occur.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONS

**"ONLY FOR SALE TO, USE, AND STORAGE BY PROFESSIONALS"**

DISTRIBUTED BY:

**BRISSMAN-KENNEDY, INC., 2140 Energy Park**

**Directions for Use**  
**GENERAL CLASSIFICATION**

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

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

Apply **H.D. QUAT** 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. Surface must be sprayed until thoroughly wetted. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty. Treated surfaces must remain wet for ten minutes

**Disinfection—For Schools, Institutional (Non-Medical) and Industrial Use, 2 oz. per gallon use level.** The activity of **H.D. QUAT** 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     | • Proteus mirabilis           |
| Salmonella typhi        | • Klebsiella pneumoniae       |
| Staphylococcus aureus   | • Enterobacter aerogenes      |
| Salmonella choleraesuis | • Salmonella Schottmüllerii   |
| Escherichia coli        | • Shigella dysenteriae        |
| Streptococcus pyogenes  | • Brevibacterium ammoniagenes |

**For Hospitals and Nursing Homes, 3 oz. per gallon use level.** At this dilution, **H.D. QUAT** is effective against *Pseudomonas aeruginosa* as well as 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, **H.D. QUAT** 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—H.D. QUAT** 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

**Mildewstatic Performance.** At 2 oz. /gallon, **H.D. QUAT** 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 1/4 oz. gallon use level, 30 second contact time **H.D. QUAT** 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

**FOR EMERGENCY MEDICAL INFORMATION**  
**CALL TOLL FREE 1-800-228-6686**

14505-5

404