

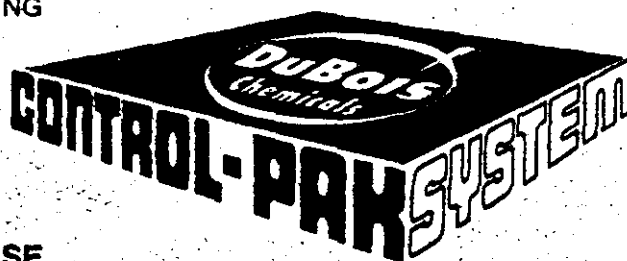
ACCEPTED

MAR 8 1973

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 5736-5 SUBJECT
TO ATTACHED COMMENTS.

CONTROL

- MISUSE AND INSURE SAFETY
- PROPORTIONING
- HANDLING
- MANHOURS
- COST



WHEN YOU USE ...

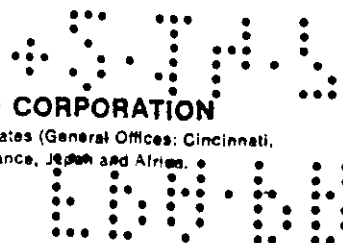
D-TROL®

santizer/disinfectant algicide

- Registered under EPA Reg. No. 5736-8-AA.
- Safe on machinery, equipment, metal parts, pumps, bushings and bearings.
- *accepted*
• Accepted as a final sanitizing rinse in food and meat plants.
- Disinfects and deodorizes in one operation.
- Effective in hard water; stable at high temperatures.
- Sanitizes by *reducing the number of* ~~destroying~~ odor-causing bacteria.
- Deodorizes equipment, floors, walls, metal, glass, rubber and painted surfaces.
- Economical use cost.



DuBOIS CHEMICALS, DIVISION OF CHEMED CORPORATION
 DuBois Technical Representatives are located throughout the United States (General Offices: Cincinnati, Ohio 45202), Canada, the United Kingdom, Latin America, Germany, France, Japan and Africa.



DuBois Chemicals

D-TROL®

santizer/disinfectant algicide

TECHNICAL DATA

D-TROL®

2/2

GENERAL DESCRIPTION: D-TROL is a blend of dual quaternary ammonium chlorides formulated for sanitizing in beverage, dairy, food, meat and poultry operations and for disinfecting in hospitals, rest homes and veterinary operations.

EPA

Registration Number 5736-5-AA

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PROPERTIES

pH 1% solution 6.5-7.5
Color Light green
Foam Slight
Stability Stable in hard water
Density 8.25 pounds per gallon

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT COMPLETELY NON-POISON REGISTERED UNDER NO. 5736-5 SUBJECT TO ATTACHED COMMENTS.

MICROBIOLOGICAL DATA:

Official A.O.A.C. Procedures, 11th Edition, 1970.

HARD WATER TOLERANCE:

In the presence of hard water (750 ppm), *Staphylococcus aureus* (ATCC No. 6538) and *Escherichia coli* (ATCC No. 11229) are reduced in 30 seconds with 1/4 ounce solution (200 ppm quat).

DIRECTIONS FOR USE:

FOR FINAL SANITIZING, RINSING IN BEVERAGE/DAIRY/FOOD PLANTS: Clean equipment with a suitable detergent and rinse. For final sanitizing rinsing use 1/4 ounce of D-TROL (200 ppm quat) per 1 gallon of water. D-TROL complies with Paragraph 121.2547, Sanitizing Solution, Part 121, Food Additive Law for final sanitizing rinsing of food processing equipment and on food contact surfaces in bars and restaurants. No rinse required in dairies unless specified by area health authorities. D-TROL fulfills criteria of Appendix F as revised in the Grade "A" Pasteurized Milk Ordinance and Code (1965) in water up to 750 ppm hardness when tested by Chamber Method.

FOR SANITIZING EQUIPMENT IN MEAT AND POULTRY PLANTS: Clean equipment with a suitable detergent and rinse. Sanitize with 1/4 ounce of D-TROL in 1 gallon of water (200 ppm quat), as a final sanitizing rinse. Listed as a Code G sanitizer and Code N compound for treating closed systems in the "List of Chemical Compounds" authorized for use under U.S.D.A. Poultry, Meat, Rabbit, and Egg Product Inspection Program.

FOR USE AS ALGAEICIDE IN SWIMMING POOL:

Initial dose: 1 gallon of D-TROL to 50,000 gallons of water.
Maintenance dose: 1 quart of D-TROL to 50,000 gallons of water.
Use Initial dose when filling with fresh water. If pool has visible algae, the initial dose should be repeated after algae debris is removed from pool.
A maintenance dose should be added every 5 to 7 days. Add 1 quart of D-TROL for each 10,000 gallons of fresh make-up water per week. Continue to maintain ppm of chlorine and pH of pool water as specified by public health authorities. For winter maintenance, add 1 gallon of D-TROL to 50,000 gallons of water held in pool. Repeat if algae show growth.

FOR DISINFECTING IN HOSPITALS AND REST HOMES: Clean equipment with a suitable detergent and rinse. For disinfecting hard surfaces such as floors, walls, furnishings and carts, use 3/4 ounces of D-TROL per 1 gallon of water (600 ppm quat). D-TROL at this concentration passes the A.O.A.C. Use Dilution Confirmation Test against *Pseudomonas aeruginosa* (ATCC No. 15442), *Salmonella choleraesuis* (ATCC No. 6538). For disinfecting porous surfaces use 1-1/2 ounces of D-TROL per 1 gallon of water (1200 ppm quat).

FOR DISINFECTING IN VETERINARY OPERATIONS: Clean equipment with a suitable detergent. For disinfecting hard surfaces such as floors, walls, furnishings, animal cages, pens or runs, use 3/4 ounces of D-TROL per 1 gallon of water (600 ppm quat). Give cages, pens, or runs a potable water rinse before animals are allowed to enter.

USE DILUTION CONFIRMATION DISINFECTING:

D-TROL at 3/4 ounce per gallon (600 ppm quat) meets the requirements of this test against *Staphylococcus aureus* (ATCC No. 6538), *Salmonella choleraesuis* (ATCC No. 10708), and *Pseudomonas aeruginosa* (ATCC No. 15442).

APPLICATIONS:

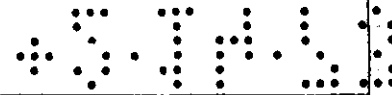
After cleaning surfaces with suitable detergent and rinsing, the disinfecting solution of D-TROL may be applied by soaking, spraying with suitable spray equipment, a clean mop or clean sponge.

QTC TEST KIT:

Use the QTC Test Kit (LaMotte Chemical Products Co., Chestertown, Md. 21621) for periodically testing the quat concentration in the D-TROL using dilution. Instructions enclosed. Readjust setting as required.

PRECAUTIONS:

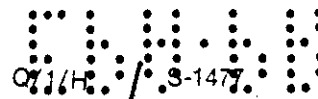
DANGER: KEEP OUT OF REACH OF CHILDREN.
See detailed precautionary instructions on the container label.



Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.



DuBOIS CHEMICALS DIVISION, CHEMED CORPORATION



Q71/H.S./S-1477

Litho in U.S.A.