

*This disinfectant is an effective virucide for influenza virus, Type A, Brazil on inanimate environmental surfaces at 1 oz./gal.

**This disinfectant is effective at 1 oz./gal. for one-step cleaning and disinfecting against *Pseudomonas aeruginosa* PRD-10, *Salmonella choleraesuis* ATCC 10708, *Staphylococcus aureus* ATCC 6538, *Streptococcus pyogenes* ATCC 9342, *Klebsiella pneumonia* ATCC 4352, and *Escherichia coli* ATCC 11229, when tested by the A.O.A.C. Use Dilution Test Method for hard, non-porous, inanimate surfaces with light to moderate soil loads.

DIRECTIONS

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

GENERAL USE INFORMATION: Recommended for dairy, veal, swine, poultry and meat, food and beverage plants on walls, floors, tables, mixers, vats, boning tables, milk cans, other equipment and utensils. Before using, remove food from area or protect by covering. Apply disinfecting or sanitizing solutions by flushing, immersion, clean mop or brush. Prepare fresh solutions daily - more often if visibly soiled. Do not reuse solutions. Sanitizing and disinfecting applications are for hard, non-porous surfaces, i.e., polished metals, glass, plastic, glazed tile, linoleum, finished wood and enameled surfaces.

SANITIZING: Remove gross soils by flushing with water, scraping or brushing. Preclean surfaces with 1-2 oz. D-S Liquid per gallon of water. Rinse well. Sanitize by thoroughly wetting precleaned surfaces with 1 oz. D-S Liquid in 4 gallons of water. Allow solution to contact surface at least one minute. Drain surfaces well and air dry. Do not use a towel. Dairy Backflush Systems. To sanitize milking inflations between cows, rinse fresh milk residues thoroughly from inflations with water, flush with D-S Liquid at 1 oz in 4 gallons for 1 minute, drain well, and rinse thoroughly with copious amounts of potable water. Dry the unit before attaching to another cow. At end of milking, thoroughly clean and sanitize milking inflations.

DISINFECTING: For simultaneously cleaning and disinfecting areas with light to medium soil loads use 1 oz. D-S Liquid per gallon of water. For heavily soiled areas, preclean with this same concentration, rinse well and apply a fresh treatment for final disinfection. Allow disinfecting solutions at least 10 minutes contact with surfaces before rinsing. Food contact surfaces must be rinsed with water before reuse. All treated surfaces in edible processing areas of U.S.D.A. inspected food plants must be rinsed following treatment.

D-S LIQUID

Bio-Guard CLEANER, SANITIZER and DISINFECTANT

For Use in Dairy, Veal, Swine, Poultry and Meat, Food and Beverage Processing Operations.

*Virucide - *Bactericide

ACTIVE INGREDIENTS:

Alkyl (C₁₄, 60%; C₁₆, 30%; C₁₂, 5%; C₁₈, 5%)
dimethyl benzyl ammonium chloride: 5.40

Alykl (C₁₂, 50%; C₁₄, 30%; C₁₆, 17%; C₁₈, 3%)
dimethyl ethylbenzyl ammonium chloride: 5.40

INERT INGREDIENTS: 89.20

TOTAL INGREDIENTS: 100.00

EPA REG. NO. 5185-215

EPA EST. NO. 5185-GA-1

NET CONTENTS: 1 Gallon

KEEP OUT OF REACH OF CHILDREN DANGER

(See Side Panel for Additional Precautions)

PRACTICAL TREATMENT (FIRST AID): In case of contact with eyes or skin, immediately flush with plenty of water for at least 15 minutes. For eyes, call a physician.

If swallowed, drink promptly a large quantity of milk, raw egg whites, gelatin solution, or if these are not available, drink a large quantity 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.

Manufactured by:
BIO-LAB, INC.
DECATUR, GA USA 30031

BEST BEFORE DATE AVAILABLE

UDDER WASHING: Prepare a bucket of D-S Liquid solution (1 oz. to 4 gallons of lukewarm water -200 ppm). Immerse in it one clean cloth or paper towel for each cow to be milked. Wash each cow's udder and teats with a clean towel and the warm solution. Dry teats and udders before attaching inflations. Do not return a used towel to the clean D-S Liquid solution. Cloth towels should be washed and sanitized before reuse.

DISPOSAL

Do not reuse empty containers. Wrap and place in trash collection.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS & DOMESTIC ANIMALS

DANGER: Corrosive Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear face mask or goggles and rubber gloves when handling. Remove and wash contaminated clothing before reuse. Harmful if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not discharge into lakes, streams, ponds or public water unless in accordance with an NPDES Permit. For guidance, contact the regional office of the EPA.

PC.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 07 1963

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended, and the pesticide
regulation under EPA Reg. No.
5185-215

07 OCT 1983

Bio-Lab Inc.
P.O. Box 1489
Decatur, GA 30031

Attention: Mr. Alan C. Sumner

Gentlemen:

Subject: D-S Liquid Cleaner Sanitizer Disinfectant
EPA Registration No. 5185-215
Your Application Dated July 27, 1983

Your application proposing to amend your registration by replacing the blue dye with a yellow dye has been reviewed and the following comments apply:

- (a) The proposed dye change is acceptable.
- (b) The alternate sources of supply for Tetrasodium EDTA and for the surfactant are acceptable.
- (c) This product is cleared under the Federal Food, Drug and Cosmetic Act for use on food contact surfaces.
- (d) Submit, for your file, a copy of your USDA Authorization.

The label referred to above, submitted in connection with registration under FIFRA is acceptable, provided that you:

Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- (a) Insert the sentences: "Do not contaminate water by cleaning of equipment or by disposing of wastes." Immediately before the sentence "For Guidance...of the EPA."

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

CONCURRENCES							
SYMBOL	75-767C						
SIGNATURE	<i>[Signature]</i>						
DATE	10/5/83						

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

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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 labeling is enclosed for your records.

Sincerely yours,

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

Enclosure

TS767C:LEE:DCR-11835;WANG-0637C:vgr:Raven:479-2013:9/28/83