

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

Bio-Guard S-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.

Bio-Guard S-21 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, Bio-Guard S-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. DO NOT STORE IN 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 THE TITLE OF THE RESOURCE CONSERVATION AND RECOVERY ACT.

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) THEN REUSE OR RECYCLING OR RECONDITIONING OR REUSE AS A SANITARY LANDFILL OR BY INCINERATION AS ALLOWED BY STATE AND LOCAL AUTHORITIES.

GENERAL

CONSULT FEDERAL, STATE OR LOCAL HEALTH AND SAFETY AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

BEST DOCUMENT AVAILABLE

BIO-GUARD S-21
 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	1.650%
Dioctyl dimethyl ammonium chloride	0.825%
Didecyl dimethyl ammonium chloride	0.825%
Alkyl (C ₁₄ , 50%, C ₁₂ , 40%, C ₁₆ , 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. 5185-

EPA Establishment No. 5185-GA-1

Net Contents

Manufactured by:
 Bio-Lab, Inc., Decatur, GA 30031

**For Sale For Use And Storage
 By Maintenance Personnel Only**

Directions for Use

GENERAL CLASSIFICATION

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

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

Apply B-21 to walls, floors and other hard (non-porous) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bed frames 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 in hospitals add 2 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. At 1.0 oz. per gallon of water B-21 will disinfect hard non-porous surfaces in school, industry and non-medical institutions.

2 oz. per gallon use-level: B-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
- Streptococcus pyogenes
- Klebsiella pneumoniae
- Enterobacter aerogenes
- Streptococcus faecalis
- Shigella dysenteriae
- Brevibacterium ammonigenes
- Salmonella typhi
- Bertrambacteriensis

For schools, industry and non-medical institution use: At 1.0 oz. per gallon of water B-21 delivers excellent cleaning and germicidal effectiveness. It is effective against Staphylococcus aureus, Salmonella choleraesuis, Escherichia coli and Shigella dysenteriae. The same AOAC tests used to confirm performance in hospitals were used.

Fungicide Control: B-21 is an effective fungicide against Trichophyton mentagrophytes, the athlete's foot fungus, when used on surfaces, as well as on skin. It is also effective against mold and mildew on walls, ceilings, and floors.

Mold and Mildew Control: At 1.0 oz. per gallon B-21 is effective in inhibiting the growth of mold and mildew and the odors associated with them on hard non-porous surfaces. It is also effective against mold and mildew on walls, ceilings, and floors.

Virucidal Performance: At 1.0 oz. per gallon use level B-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, B, and C; Herpes Simplex and Vaccinia on non-porous surfaces.

Sanitizing Non-Food Contact Surfaces (such as Roofs, walls, tables, etc.): At 2.0 oz. per gallon use level B-21 is effective against Staphylococcus aureus and Klebsiella pneumoniae. At 1.0 oz. per gallon use level B-21 is effective against Staphylococcus aureus and Klebsiella pneumoniae on non-porous surfaces. Treated surfaces must remain wet for 60 seconds.

5185-360

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDE REGISTRATION
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

30 MAY 1984

TERM OF REGISTRATION

NOTICE OF PESTICIDE

*Under the Federal Insecticide, Fungicide,
and Rodenticide Act*

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

NOTE: Changes in labeling, formula different 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 connection. 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 endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administration has authority, at any time, to 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.

ATTACHMENT

SIGNATURE OF APPLICANT

DATE

- 6. The statement "FOR SALE FOR USE AND STORAGE BY MAINTENANCE PERSONNEL ONLY" must be at least the same type size as the "KEEP OUT OF REACH OF CHILDREN" statement (front panel).
- 3. The revised Confidential Statement of Formula dated April 6, 1984 is acceptable has been placed in your file.
- 4. The confirmatory data submitted June 17, 1983, are acceptable and have been assigned the Accession Number 251910.
- 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.

John H. Lee
 Product Manager (31)
 Disinfectants Branch
 Registration Division (75-767C)

Enclosures

RD:DIS:DCR-44256:J.Lee:CP1:PAVER:557-22.6:RD-140:5/25/84:PV-1.6/10/84

... DOCUMENT AVAILABLE