

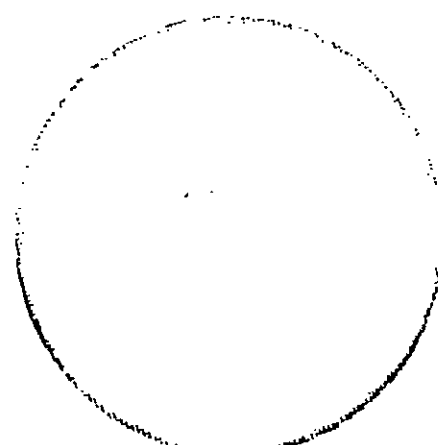
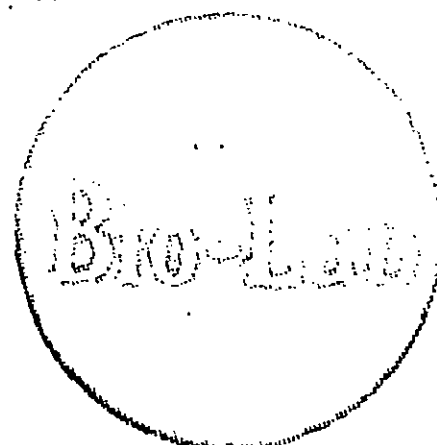
PROPERTY OF THE U.S. GOVERNMENT

BIO-CLEAN

100

STRIPPER-DEGREASER-SANITIZER

LEADERSHIP THROUGH RESEARCH AND INNOVATION



Manufacturing Chemists  
Bacteriologists

DISINFECTANT

**CAUTION**

KEEP OUT OF REACH OF CHILDREN  
See other warnings on side panel.

USDA REG. NO. 5185-29

ACCEPTED

5185-29

JAN 5 - 1968

NET CONTENTS:

NOT THE FEDERAL BUREAU OF INVESTIGATION

ACCEPTED WITH COMMENT

ACCEPTED

1-5-68

LEFT PANEL

BIO-GUARD 601

5185-29 *Comm*

ACTIVE INGREDIENTS: Sodium metasilicate 30.0%; Sodium carbonate 10.0%; Sodium hydroxide 10.0%; Trisodium phosphate 8.6%; Alkyl (C<sub>10</sub>, 18; C<sub>12</sub>, 28; C<sub>12</sub>, 14) dimethyl benzyl ammonium chloride 2.7%; ethylenediaminetetraacetic acid, tetrasodium salt 1.0%; Alkyl (C<sub>14</sub>, 90%; C<sub>12</sub>, 5%; C<sub>16</sub>, 5%) dimethyl dichlorobenzyl ammonium chloride, 0.5% Total Active Ingredients 77.1%

INERT INGREDIENTS: \* 22.9%  
 \*Includes detergent, emulsifying and water conditioning agents

BIO-GUARD 601 is a complete balanced stripper, detergent and sanitizer. It is effective against a broad range of both gram negative and gram positive bacteria and fungi. Refer to microbicidal chart.

BIO-GUARD 601 is a residual bacteriostat, when used according to the directions for sanitizing. The remaining film will leave surface residually bacteriostatic until active agents are washed away or completely inactivated by soils and organic matter.

BIO-GUARD SOFTENS WATER: It contains sequestering agents to prevent the precipitation of minerals and metals from hard water.

BIO-GUARD DEODORIZES: By killing most micro-organisms that cause offensive odors, BIO-GUARD effectively deodorizes without leaving an objectionable odor.

BIO-GUARD INHIBITS FORMATION OF RUST: It contains rust and corrosion inhibitors.

BIO-GUARD 601 is to be used with a steam cleaning machine or recirculating device as a general cleaning agent and sanitizer. It is especially formulated for use by the food processing industry where suppression of bacterial growth is desirable for the production of better quality foods.

DIRECTIONS

- FIRST: Remove or properly cover all exposed food products.
- SECOND: Using hot water, flush equipment thoroughly to remove surface contaminants.
- THIRD: For use in a steam cleaning machine, fill chemical strainer basket and refill as BIO-GUARD 601 is fully dissolved. For use in a recirculating system use one to three pounds BIO-GUARD 601 in a fifty-five gallon drum of water to determine effective cleaning concentrations.
- FOURTH: Apply steam three to six inches from surface being cleaned, and allow ample time for complete removal of soils.

LEFT PANEL CONTINUED

BIO-GUARD 601

FIFTH: For sanitizing after precleaning, use BIO-SHIELD 2001 POULTRY PROCESSOR SANITIZER. If it is desired to use this product for final sanitization, dilute BIO-GUARD 601 four ounces to one gallon of water and apply to precleaned and properly rinsed surfaces. Do not rinse. Allow to air dry.

SIXTH: Before again resuming operation of plant, flush all equipment with hot water.

CAUTION: Avoid contact with food or food products. Avoid getting in eyes or on skin. In case of contact, wash thoroughly with water. If irritation persists, get medical attention. Harmful if swallowed. Rinse empty container thoroughly with water and discard it.

1-5-68

5185-29 *W. W. W.*

RIGHT PANEL

BIO-GUARD 601

ANTI-MICROBIAL EFFICACY CHART

BACTERIA

Using the A.O.A.C. Use Dilution Test Method, BIO-GUARD 601 is bactericidal on inanimate surfaces against the following organisms at 1:32 dilution.

Aerobacter aerogenes	Salmonella gallinarum
Aerobacter cloacae	Salmonella infantis
Alcaligenes faecalis	Salmonella pullorum
Micrococcus flavus	Salmonella typhimurium
Arizona paracolon	Salmonella typhosa
Escherichia coli	Sarcina lutea
Escherichia coli(var. communior)	Serratia marcescens
Escherichia freundii	Shigella dysenteriae
Paracolobactrum coliforme	Shigella sonnei
Pasteurella multocida	Spirillum serpens
Proteus morgani	Streptococcus faecalis
Proteus vulgaris	Streptococcus pyogenes
Pseudomonas aeruginosa	Vibrio metschnikovii
Pseudomonas fluorescens	
Salmonella choleraesuis	

BIO-GUARD 601 is bacteriostatic on inanimate surfaces against all above listed bacteria and the following spore forming organisms:

Bacillus circulans	Clostridium sporogenes
Bacillus subtilis	Bacillus cereus

FUNGUS

Using the A.O.A.C. Fungicidal Test Method, BIO-GUARD 601 is fungicidal at 1:32 dilution on inanimate surfaces against the following organisms:

Actinomyces violaceus	Monilia albicans
Alternaria sp.	Nigrospora sp.
Aspergillus fumigatus	Paecilomyces sp.
Aspergillus niger	Pullularia pullulans
Cladosporium sp.	Rhizopus nigricans
Fusarium sp.	Trichophyton interdigitale

Camraman's Note

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ACCEPTED WITH COMMENTS