

## DIRECTIONS

Bio-Guard WS-222 is a powerful disinfectant and detergent. It deodorizes by killing most microbes that cause offensive odors. Bio-Guard WS-222 kills many gram-negative bacteria, gram-positive bacteria and pathogenic fungi that may cause disease.

\*Bio-Guard WS-222 is an effective virucide on inanimate surfaces at a dilution of 1 quart to 25 gallons of water. The viruses affected include fowl pox, infectious bronchitis virus of chickens, laryngotracheitis virus, Newcastle's disease virus and the bovine virus, infectious bovine rhinotracheitis virus, bovine diarrhea virus, and Para-influenza-3 virus.

**Avian Leukosis (Acute Marek's Disease Agent):** Bio-Guard WS-222 was an effective disinfectant against avian leukosis agent on inanimate surfaces when the agent was exposed *in vitro* to the recommended use solution for 15 minutes. Following exposure to the disinfectant, viability of the disease agent was determined by inoculation into susceptible chickens. The role of the environment in the transmission of this disease in poultry flocks has not been conclusively established.

Bio-Guard WS-222 is Tuberculocidal at a dilution of 1:50 (1 quart to 12.5 gallons of water), as determined by the A.O.A.C. Tuberculocidal Test Method against *Mycobacterium tuberculosis* var. *bovis* BCG.

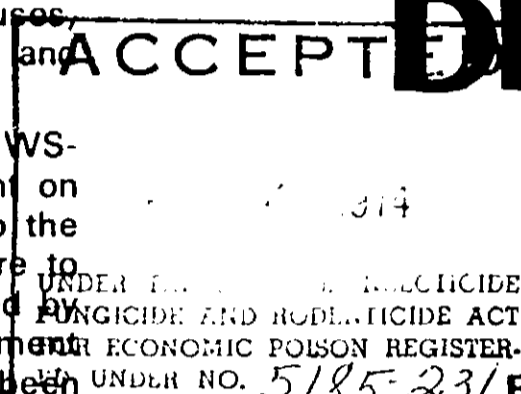
Poultry and livestock must be removed from houses during treatment. Ventilate houses well after treatment. Do not rehouse poultry or livestock until the treatment has dried, been absorbed or set.

Remove all feedstuffs from the premise before treatment. Feeders and waterers should be removed from houses during treatment. When not possible to remove feeders and waterers, clean and rinse well before reusing.

**POULTRY HOUSES AND EQUIPMENT.** To disinfect broiler, brooding or layer houses, remove equipment and flush down dust and cobweb accumulations with water under pressure. Remove litter and sweep floor. Dilute Bio-Guard WS-222 one quart to 25 gallons of water. Spray solution so as to wet all surfaces, particularly cracks, crevices, joists and over-lappings. To clean equipment, first remove all gross refuse and soil by hosing with water, vacuuming, sweeping or brushing. Dilute at two ounces to 1-1/2 gallons of water. Using this solution, scrub and wash down all accessible surfaces. Flush away all loosened soil accumulations. After thoroughly pre-cleaning surfaces, dilute at two ounces to 1-1/2 gallons of water and apply in a wetting concentration for disinfection.

EPA Est. No. 5185 GA-1

# Bio Guard WS-222 FARM PREMISE DISINFECTANT (water soluble)



A PRODUCT OF

BIO-LAB, INC., DECATUR, GEORGIA

Bio-Guard WS-222 is a concentrated cleaner, bactericide, fungicide and virucide.\*

### ACTIVE INGREDIENTS:

Cresylic acid . . . . .	15.00%
Soap . . . . .	8.90%
Isopropanol . . . . .	8.00%
Sodium dodecylbenzene sulfonate . . . . .	2.50%
4-and 6-chloro-2-phenylphenol . . . . .	2.00%
o-benzyl-p-chloro-phenol . . . . .	1.50%
Tributyltin neodecanoate . . . . .	0.25%
para-tertiary amylphenol . . . . .	0.10%
2,2'-methylene bis (3, 4, 6-trichlorophenol) . . . . .	0.05%
<b>Total Active</b>	<b>38.30%</b>

### INERT INGREDIENTS:

.....	61.70%
<b>Total</b>	<b>100.00%</b>

## DANGER

**KEEP OUT OF REACH OF CHILDREN**

(See additional precautions and first aid statements on side panel.)

\*See list of specific viruses tested on back panel.

EPA Reg. No. 5185-2

Net Contents

**SWINE, CATTLE AND HORSE OPERATIONS.** For cleaning and sanitizing farrowing pens, pig parlors, stalls, foaling areas, farm equipment, barns and livestock houses. Do not use in milking houses, milking parlors or milking stalls.

First remove all possible soils by brushing, sweeping or vacuuming. Then scrub all surfaces (walls, floors, ceilings, equipment) with a solution of one quart of Bio-Guard WS-222 per 25 gallons of water. Flush away loosened soil accumulations. To disinfect properly pre-cleaned surfaces, dilute at two ounces to 1-1/2 gallons of water and apply in a wetting concentration.

## DANGER!

May be fatal if swallowed or absorbed through skin. May cause burns and damage to the eyes. Do not get in eyes, or skin or on clothing. In case of contact, wash thoroughly with water. For eyes, get immediate medical attention. Avoid breathing spray mist. Avoid contact with food or food products. Wash thoroughly after handling.

Use rubber gloves when scrubbing by hand.

## FIRST AID:

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.

Do not reuse empty container. Destroy it by perforation or crushing. Bury or discard in a safe place.

**DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.**