

## BROAD SPECTRUM DISINFECTANT

Virkon® S is effective against numerous microorganisms affecting animals: viruses, gram positive and gram negative bacteria, fungi (molds and yeasts), and mycoplasma. Efficacy was determined in the presence of hard water and organic material. Virkon S passes the AOAC germicidal and detergent sanitizer test at a concentration of 0.5% (1:200) in the presence of 200 ppm hard water.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Powder is corrosive. Causes skin burns and irreversible eye damage. Harmful if swallowed, absorbed through skin, or inhaled. Do not get in eyes, on skin, or on clothing. Wear protective clothing and rubber gloves. Avoid breathing dust. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Corrosive statement refers to powder only **not** in use solution.

### FIRST AID

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get prompt medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF INHALED:** If symptoms of coughing, choking, or wheezing are troublesome, remove to fresh air and seek medical attention.

**IF SWALLOWED:** Drink promptly a large quantity of water. Avoid alcohol. Get immediate medical attention.

**NOTICE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

## DIRECTIONS FOR USE

Federal law prohibits use of this product in a manner inconsistent with its labeling. This powder formula is easily diluted for use in manual or machine operations.

### VIRKON® S DILUTION CHART

Fill container with desired amount of water and add Virkon S powder to achieve recommended solution concentration.

Quantity of Water	1% Solution	2% Solution
1 quart	0.3 ounces	0.7 ounces
1 gallon	1.3 ounces	2.7 ounces
10 gallons	13.4 ounces	26.7 ounces
50 gallons	66.8 ounces	133.5 ounces

1.3 ounce measuring scoop is provided.

**DIRECTIONS FOR USE:** Add 1.3 ounces (1 scoop) of Virkon S to one gallon of warm water. Solutions are stable for 7 days. Do not soak metal objects in Virkon S for long periods - 10 minutes is maximum necessary contact time. One gallon of solution is sufficient to treat 135 sq. ft.

## POULTRY PRODUCTION/RATITE PRODUCTION

**CONTROLS:** **Viruses** of Newcastle Disease, Infectious Bronchitis, Infectious Bursal Disease, Avian Laryngotracheitis, Marek's Disease, Egg Drop Syndrome, Avian Influenza, Turkey Herpes Virus and Duck Viral Enteritis. **Fungi** (molds and yeasts – *Aspergillus flavus*, *Aspergillus fumigatus* and *Candida albicans*. **Bacteria:** *Streptococcus pyogenes*, *Campylobacter pyloridis*, *Klebsiella pneumoniae*, *Escherichia coli*, *Salmonella typhimurium*, *Salmonella choleraesuis*, *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Bordetella avium* and *Mycoplasma gallisepticum*.

**HATCHERIES:** Virkon S at 1% solution can be used for cleaning and disinfecting hatchers, setters, evaporative coolers, humidifying systems, ceiling fans, chicken houses, transfer trucks, trays, and plastic chick boxes (use 2% solution for *Mycoplasma*, *Aspergillus flavus* and *Aspergillus fumigatus*). Virkon S at 1-2% solution is recommended for use in fogging (wet misting) operations as a supplemental measure either before or after regular cleaning and disinfecting procedures. Fog (wet mist) until the area is moist using automatic foggers according to manufacturer's use directions.

**BROILER/BREEDER HOUSES:** Remove chickens, feed, and water troughs, then remove manure and litter. Spray floors and walls with Virkon S at 1% solution. Thoroughly wash waterers and feeders with a 1% solution of Virkon S (use 2% solution for *Mycoplasma*, *Aspergillus flavus* and *Aspergillus fumigatus*). After contact for 10 minutes, rinse with water. Do not house poultry or use equipment until treatment has dried.

**FOR AIR SANITIZING:** Use Virkon S at 1-2% solution and fog until surfaces are moist. Allow at least 2 hours before entering treated area. Rinse foggers and sprayers with water following use.

**PROCESSING PLANTS:** Spray Virkon S at 1% solution to disinfect and clean walls, ceilings and floors.

## SWINE PRODUCTION

**CONTROLS:** **Viruses** of Hog Cholera, Swine influenza, Porcine Parvovirus, Pseudorabies, Porcine Reproductive and Respiratory Syndrome (PRRS), Rotaviral Diarrhea, African Swine Fever and Foot and Mouth Disease. **Bacteria** of *Pleuropneumonia*, *Treponema hyodysenteriae* and *Clostridium perfringens*. **Fungi:** *Fusarium moniliforme*.

Virkon S 1% solution is recommended for cleaning and disinfecting farrowing units, nurseries, finisher houses and processing plants (use a 2% solution for *Mycoplasma*, *Aspergillus flavus*, and *Aspergillus fumigatus*).