

# Virkon™ S

## DISINFECTANT & VIRUCIDE



Virkon™ S is a science-based biocidal technology for animal health disinfection, which has been specifically engineered to provide an effective, flexible and convenient, modern formulated disinfectant solution for commercial livestock producers, veterinary hospitals and farmers.

The broad spectrum efficacy of Virkon™ S has been proven effective against:

- 61 strains of virus
- 33 strains of bacteria
- 7 strains of fungi

Please consult the Virkon™ S product container label for a comprehensive list of organisms.

Virkon™ S is versatile and can be used for non-porous hard surfaces, agricultural production equipment, vehicles, wheels, boot disinfection and day-to-day farm disinfection.

### Virkon™ S is a key component to a successful poultry biosecurity program

- **Proven efficacy against Avian Influenza**
- **Effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1**

Virkon™ S, is recognized worldwide as the leading disinfectant of choice for the emergency disease control of Avian Influenza (bird flu). It is independently proven to be effective against lethal strains of the highly pathogenic Avian Influenza virus.

Avian Influenza (Fowl Plague), also referred to as bird flu, is a potentially devastating disease, predominantly of chickens and turkeys, although the virus can also affect game birds (pheasants, partridge and quail), ratites (ostrich and emu), psittacine and passerine birds.



When considering an effective biosecurity program, it is essential to bear in mind that the Avian Influenza virus can survive for considerable lengths

of time outside of the host and birds can be infected through a number of vectors:

- Contact with other birds
- Contact with mechanical vectors such as vehicles and equipment
- Contact with personnel

### Virkon™ S virucidal efficacy data against poultry disease-causing organisms

Poultry Disease	Virus Family
Avian Influenza	Orthomyxoviridae
Avian laryngotracheitis virus	Herpesviridae
Adenovirus pneumonia*	Adenoviridae
Chicken anemia virus*	Circoviridae
Duck adenovirus*	Adenoviridae
Duck enteritis virus*	Herpesviridae
Egg drop syndrome (EDS)*	Adenoviridae
Infectious bronchitis virus*	Circoviridae
Infectious bursal disease* (Gumboro)	Birnaviridae
Marek's disease virus*	Herpesviridae
Newcastle disease virus	Paramyxoviridae
Turkey herpes virus*	Herpesviridae
Turkey rhinotracheitis virus*	Paramyxoviridae

\* US EPA approved efficacy, poultry viral pathogens not approved for use in California. Consult the Virkon™ S product container label for the comprehensive list of bacteria, viruses and fungi.



## Poultry Production Biosecurity Program Parameters

1. Establish a secure perimeter to ensure that the site is limited to one combined entrance and exit.
2. Minimize the number of visitors and, where possible, provide “farm only” boots and overalls.
3. Put a shower-in policy into place and provide hand-washing facilities.
4. Clean vehicle wheels and personnel rubber boots with Virkon™ S as per product container label directions. Ensure that the solution is changed on a daily basis.
5. Ensure that all vehicles have been thoroughly cleaned and disinfected prior to arrival at site. Limit the amount of essential vehicles entering or exiting the site.

## Broiler & Breeder Housing Disinfection

1. Remove all poultry and feed from premises, coops, crates, vehicles or other enclosures.
2. Remove all litter droppings and manure from floors, walls and surfaces of barns, pens, and other facilities and fixtures occupied or traversed by poultry.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces prior to disinfection with a suitable heavy-duty detergent and rinse with water.
5. Saturate surfaces with the use-diluted disinfecting solution, Virkon™ S, for a period of 10 minutes (as per product label instructions).
6. Immerse all forks, shovels and scrapers used for removing litter and manure.
7. Ventilate buildings, vehicles, coops, and other closed spaces. Do not house poultry or livestock or employ equipment until treatment has been absorbed, set, or dried.

8. Thoroughly scrub treated feed racks, automatic feeders and waterers with detergent and rinse with water before reuse.

## Hatchery Disinfection

Virkon™ can be used for cleaning and disinfecting:

- Hatchers
- Ceiling fans
- Setters
- Chicken houses
- Evaporative coolers
- Transfer trucks
- Humidifying systems
- Trays and plastic chick boxes.



Saturate surfaces with a 1% solution of Virkon™ S with a cloth, mop, mechanical spray or sponge for a period of 10 minutes. Allow surfaces to air dry. Rinse waterers and feeders with potable water before reuse.

**Health and Safety Information:** Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult your LANXESS Corporation representative or contact the Product Safety and Regulatory Affairs Department at LANXESS.

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