

Virkon® S

DISINFECTANT AND VIRUCIDE

Virkon® S is the multipurpose virucidal disinfectant with the greatest numbers of EPA-registered claims against pathogens affecting domestic and companion animals.



Overview

Virkon® S is a balanced, stabilized blend of peroxygen compounds, surfactant, organic acids, and inorganic buffer. Virkon® S is recommended for use as a hard surface disinfectant in livestock production and transportation facilities. Virkon® S delivers 99.9999% kill of numerous pathogens including 31 bacterial strains, 58 viruses, and 6 fungi with no evidence of resistance, eliminating the need to rotate disinfectants to avoid resistance buildup.

Active Ingredients

Potassium peroxymonosulfate.....	21.41%
Sodium Chloride.....	1.50%
Other ingredients	77.09%
Total ingredient	100.00%

EPA Registration No. 71654-6

Mode of Action

Virkon® S oxidizes sulfur bonds in proteins and enzymes disrupting the function of the cell membrane causing rupturing of the cell wall.

Directions for Use

Use Disinfectants safely. For complete instructions on product use, handling and safety, always read and understand the product label and MSDS before use. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. The information set forth herein is furnished free of charge and was prepared as a possible aid to use when considering the product. Anyone intending to use recommendations or information contained in this handout should first be satisfied that the information is suitable for their application and meets all safety and health standards appropriate for their intended use.



The miracles of science™

Effective Against Viruses, Bacteria and Fungi In Industrial and Agricultural/Animal Facilities.

VIROSES

Adenovirus Pneumonia
 African Horse Sickness Virus
 African Swine Fever Virus
 Avian Influenza Virus
 Avian Laryngotracheitis Viruses
 Bovine Adenoviruses Type 4
 Bovine Polyoma Virus
 Bovine Pseudocox Virus
 Bovine Viral Diarrhea Virus
 Calf Rotavirus
 Canine Adenovirus (Canine Hepatitis)
 Canine Coronavirus
 Canine Parainfluenza Virus
 Canine Parvovirus
 Chicken Anemia Virus
 Coital Exanthema Virus
 Distemper Virus
 Duck Adenovirus
 Duck Enteritis Virus
 Egg Drop Syndrome Adenovirus
 Equine Arteritis Virus
 Equine Contagious Abortion Virus
 Equine Herpes Virus (Type 1)
 Equine Herpes Virus (Type 3)
 Equine Infectious Anemia Virus (Swamp Fever)
 Equine Influenza Virus (Type A)
 Equine Influenza Virus (The Cough)
 Equine Papillomatosis Virus
 Feline Calicivirus
 Feline Herpes Virus
 Feline Infectious Peritonitis Virus
 Feline Panleukopenia Virus
 Feline Parvovirus
 Feline Rhinotracheitis Virus
 Foot and Mouth Disease Virus
 Helicobacter pylori
 Hog Cholera Virus
 Infectious Bronchitis Virus
 Infectious Bursal Disease Virus
 Infectious Canine Hepatitis Virus
 Infective Bovine Rhinotracheitis Virus
 Leptospira Canicola Virus
 Maedi-Visna Virus
 Marek's Disease Virus
 Mouse Parvovirus
 Newcastle Disease Virus
 PCVS Virus (PMWS)
 Porcine Parvovirus
 Porcine Reproductive and Respiratory

Syndrome Virus (PRRS)
 Pseudorabies Virus (Aujeszky's Disease)
 Rotaviral Diarrhea Virus
 Simian Virus (SV40 Virus)
 Swine Influenza Virus
 Swine Vesicular Disease Virus
 Transmissible Gastroenteritis Virus (TGE)
 Turkey Herpes Virus
 Turkey Rhinotracheitis Virus
 Vesicular Stomatitis

BACTERIA

Actinobacillus pleuropneumoniae
 Bacillus cereus
 Bordetella avium
 Bordetella bronchiseptica
 Brucella abortus
 Campylobacter jejuni
 Clostridium perfringens
 Dermatophilus congolensis
 Escherichia coli
 Fistulous withers (Poll Evil)
 Haemophilus somnus
 Klebsiella pneumoniae
 Listeria monocytogenes
 Moraxella bovis (Pink Eye)
 Mycoplasma gallisepticum
 Mycoplasma hyopneumoniae
 Mycoplasma mycoides
 Pasteurella multocida
 Pseudomonas aeruginosa
 Pseudomonas mallei (Glanders)
 Pseudomonas vulgaris
 Salmonella choleraesuis
 Salmonella typhimurium
 Shigella sonnei
 Staphylococcus aureus
 Staphylococcus epidermidis
 Streptococcus equi (Strangles)
 Streptococcus pyogenes
 Streptococcus suis
 Taylorella equigenitalis
 Treponema hyodysenteriae

FUNGI

Aspergillus fumigatus
 Fusarium moniliforme
 Microsporium canis
 Trichophyton mentagrophytes
 Trichophyton spp. (Mud Fever)
 Trichophyton spp. (Ringworm)



Physical Properties

State	Solid (powder or tablet)
Color	yellow
Odor	slight lemon
pH, 25°C in-use solution	2.2-2.6
Specific gravity	1.07
Stability	1% solution stable for 7 days 20% loss of activity after 14 days in 350ppm hard water
Boiling Point	decomposes on heating
Solubility	9.2 oz/gal @ 69°F
Density of 1% solution	9.3 lbs/gal.

Dilution Rates

Quantity of water	0.5% Solution	1.0% Solution	2.0% Solution
1 quart	0.15 oz	0.3 oz	0.7 oz
1 gallon	0.65 oz	1.3 oz	2.7 oz
10 gallons	6.7 oz	13.4 oz	26.7 oz
50 gallons	33.4 oz	66.8 oz	133.5 oz
1 scoop equals 1.3 oz or 1 scoop per gallon of water = 1%			

For 24-hour emergency information on the product, call 1-800-441-3637 (U.S. and Canada) or 1-302-774-1139 (all other areas)

www.ahs.dupont.com

Not all products, applications, claims and/or uses are registered in all regions, countries or states. Greatest number of EPA-registered claims is based on a label search of major disinfectants for animal health, using the EPA Pesticide Product Label System at <http://oaspub.epa.gov/pest/lab/ppls/home>. The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable. It is intended for use by persons having technical skills and should be used at their own discretion. Because conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.



The miracles of science™

Distributed by:



944 Nandino Blvd., Lexington, KY 40511
 Phone: 1-800-621-8829 • Fax: 1-800-255-1168
 Email: bioprotection@neogen.com