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

**VIRUSES**
- 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 Exantherma 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
- 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
- PCV2 Virus (PMWS)
- Porcine Parvovirus
- Porcine Reproductive and Respiratory Syndrome Virus (PRRS)
- Pseudorabies Virus (Aujesky'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
- Cryptosporidium parvum
- Dengue virus
- Escherichia coli
- Fusarium oxysporum
- Haemophilus parainfluenzae
- Klebsiella pneumoniae
- Listeria monocytogenes
- Moraxella bovis (Pink Eye)
- Mycoplasma gallisepticum
- Mycoplasma hyorhinis
- 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 hydysenteriae
- Tyzzerella pseudotuberculosis
- Yersinia pseudotuberculosis

**Fungi**
- Aspergillus fumigatus
- Fusarium moniliforme
- Microsporum canis
- Trichophyton mentagrophytes
- Trichophyton spp. (Mud Fever)
- Trichophyton spp. (Ringworm)

**Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Solid (powder or tablet)</td>
</tr>
<tr>
<td>Color</td>
<td>yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>slight lemon</td>
</tr>
<tr>
<td>pH, 25°C in-use solution</td>
<td>2.2-2.6</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.07</td>
</tr>
<tr>
<td>Stability</td>
<td>1% solution stable for 7 days</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>decomposes on heating</td>
</tr>
<tr>
<td>Solubility</td>
<td>9.2 oz/gal @ 69°F</td>
</tr>
<tr>
<td>Density of 1% solution</td>
<td>9.3 lbs/gal.</td>
</tr>
</tbody>
</table>

**Dilution Rates**

<table>
<thead>
<tr>
<th>Quantity of water</th>
<th>0.5% Solution</th>
<th>1.0% Solution</th>
<th>2.0% Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 quart</td>
<td>0.15 oz</td>
<td>0.3 oz</td>
<td>0.7 oz</td>
</tr>
<tr>
<td>1 gallon</td>
<td>0.65 oz</td>
<td>1.3 oz</td>
<td>2.7 oz</td>
</tr>
<tr>
<td>10 gallons</td>
<td>6.7 oz</td>
<td>13.4 oz</td>
<td>26.7 oz</td>
</tr>
<tr>
<td>50 gallons</td>
<td>33.4 oz</td>
<td>66.8 oz</td>
<td>133.5 oz</td>
</tr>
<tr>
<td>1 scoop equals</td>
<td>1.3 oz</td>
<td>1 scoop per gallon of water = 1%</td>
<td></td>
</tr>
</tbody>
</table>

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/pestlabl/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.

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