



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

United States Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road
Riverdale, Maryland 20737

Date Effective: December 4, 2019

Expiration Date: December 4, 2022

Interim Reports Due: December 4, 2020
December 4, 2021

Final Report Due: June 4, 2023

File symbol: 19DA04

Attn: Samantha Bates

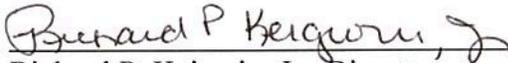
The Environmental Protection Agency (EPA) hereby grants a quarantine exemption, under the provisions of section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, to the United States Department of Agriculture, Animal and Plant Health Inspection Service, (USDA/APHIS) for use of a mixture of potassium peroxymonosulfate (CAS# 10361-76-9) formulated as Virkon[®] S (EPA Reg. No. 39967-137) and propylene glycol (CAS# 57-55-6) for disinfection of hard, nonporous surfaces associated with poultry facilities infected with Newcastle disease virus (NDV).

- 1) The USDA/APHIS is responsible for ensuring that all provisions of this quarantine exemption are met. USDA/APHIS is also responsible for providing information as specified in 40 CFR §166.32(b). Accordingly, a final report summarizing the results of this program must be submitted to the EPA Headquarters and the appropriate EPA Region offices within 6 months following the expiration of this quarantine exemption. Interim reports must be submitted annually by the dates specified above. Additionally, in accordance with 40 CFR §166.32(a), these offices shall be immediately informed of any adverse effects resulting from the use of this chemical in connection with this exemption. Refer to file symbol 19DA04 in any future correspondence regarding this exemption.

- 2) The registered product, Virkon[®] S (EPA Reg. No. 39967-137, containing 21.41% potassium peroxymonosulfate and 1.50% sodium chloride), manufactured by Lanxess Corporation, combined with commercially available propylene glycol (PG), may be applied. All applicable directions for use, restrictions, and precautions on the EPA-registered product label, including Worker Protection Standards, must be followed as well as those outlined in the revised section 18 use directions, received on November 18, 2019, unless otherwise modified in this authorization document.
- 3) Applications under this quarantine exemption may be made in response to a confirmed outbreak of NDv, when air temperatures at the treatment site are below freezing. Hard, nonporous surfaces on poultry premises may be treated, including but not limited to: delivery trucks, tractors, farm vehicles and other conveyances, farm equipment, and footwear.
- 4) Surfaces must first be cleaned prior to disinfection. Gross contamination, organic material, and debris must be removed via mechanical means like brushing (dry cleaning) and/or the use of water and soap or detergents (wet cleaning).
- 5) Surfaces may be treated with a solution of 2% Virkon[®] S and 20% or 40% PG, depending on air temperature. When mixing the final use solution according to the label directions, 20% or 40% of the water that is used must be replaced by the corresponding volume of PG. For air temperatures of 0 to -10 °C (32 to 14 °F) use 20% PG. For air temperatures of -11 to -25 °C (12 to -13 °F) use 40% PG. Users shall refer to the section 18 Use Directions for detailed instructions on mixing various volumes for use at the different concentrations.
- 6) Once prepared, the diluted solution must be used as soon as possible, not to exceed 30 minutes beyond its preparation.
- 7) Surfaces must be sprayed or wiped until visibly wet and the following required contact times must be observed: 10-minute contact time at 0 to -10 °C (32 to 14 °F), and a 20-minute contact time at -11 to -25 °C (12 to -13 °F). If surface dries before contact time is complete, reapply solution. Allow surfaces to air dry.
- 8) No treatments may be made to food- or feed-use surfaces, or where food or feed items are present.
- 9) Applicators must wear all the personal protective equipment (PPE) as indicated on the Virkon[®] S registered product label, including goggles (or face shield), long sleeve shirt and long pants, socks plus shoes, and chemical resistant gloves.
- 10) Treatments must be conducted on impermeable surfaces. Runoff is not allowed to enter drains or water sources. Any runoff from treatment must be contained, collected, and properly disposed of according to local requirements.

- 11) All applications must be made by or under the direct supervision of trained pesticide applicators from the USDA/APHIS or those under USDA/APHIS's oversight. Applications may occur at poultry facilities contaminated with NDV throughout the United States, when freezing temperatures occur.
- 12) This exemption expires 3 years from date of issuance as shown above.
- 13) EPA encourages the USDA/APHIS and its cooperators to seek out the most effective products and cultural practices to treat contaminated materials and support the generation of new product efficacy data against the target pathogen.

If you have any questions regarding this authorization, please contact Emergency Response Team Member, Andrea Conrath (703.308.9356; conrath.andrea@epa.gov); or Acting Emergency Response Team Leader, Claire Paisley-Jones (703.308.8070; paisley-jones.claire@epa.gov).


Richard P. Keigwin, Jr., Director
Office of Pesticide Programs

Date: 12/4/2019

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