



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

United States Department of Agriculture
Animal and Plant Health Inspection Service
Policy and Program Development
Environmental and Risk Analysis Services, Unit 30
4700 River Road
Riverdale, Maryland 20737

Date Effective: March 26, 2025

Expiration Date: March 26, 2028

Interim Report(s) Due: March 26, 2026, March 26, 2027

Final Report Due: September 26, 2028

File symbol: 25DA01

Attn: Samantha Bates, Elias Monastersky

The Environmental Protection Agency (EPA) hereby grants a repeat 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 sites infected with highly pathogenic avian influenza virus (HPAIV).

- 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 25DA01 in any future correspondence regarding this exemption.
- 2) The registered product, Virkon S (containing 21.41% potassium peroxymonosulfate), 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 Section 18 use directions submitted with your request dated February 13, 2025, unless otherwise modified in this authorization document.
- 3) Applications under this quarantine exemption may be made in response to a confirmed outbreak of HPAIV, when air temperatures at the treatment site are below freezing. Hard, nonporous surfaces on infected sites 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 30% or 40% PG, depending on air temperature. When mixing the final use solution according to the label directions, 30 or 40% of the water that is used must be replaced by the corresponding volume of PG. For air temperatures of 0 to -20 °C (32 to -4 °F) use 30% PG. For air temperatures of -21 to -25 °C (-5.8 to -13 °F) use 40% PG. Users should refer to the Section 18 label 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 until saturated and the following required contact times must be observed: 5-minute contact time at 0 to -20 °C (32 to -4 °F), and a 15-minute contact time at -21 to -25 °C (-5.8 to -13 °F). If surface dries before contact time is complete, reapply solution. Allow surfaces to air dry.
- 8) Applicators must wear all the personal protective equipment (PPE) as indicated on the Virkon S registered product label, including goggles (or face shield), long sleeved shirt and long pants, socks plus shoes, and chemical resistant gloves.
- 9) Treatments must be conducted on impermeable surfaces. Runoff is not allowed to enter drains or watercourses. Any runoff from treatment must be contained, collected, and properly disposed of according to local requirements.
- 10) 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 sites contaminated with HPAIv throughout the United States.
- 11) This quarantine exemption expires three years from the date of issuance.

If you have any questions regarding this authorization, please contact Emergency Response Team Member, Andrea Conrath (202-566-2568; conrath.andrea@epa.gov); or Emergency Response Team Senior Regulatory Specialist, Jennifer Gaines (202-566-2685; gaines.jennifer@epa.gov).

Sincerely,

Charles Smith, Director
Registration Division
Office of Pesticide Programs

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