



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

NOV 15 2018

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

Date Effective: January 20, 2019
Expiration Date: January 20, 2022
Interim Reports Due: January 20, 2020
January 20, 2021
Final Report Due: July 20, 2022
File symbol: 19DA01

Attn: Samantha Bates

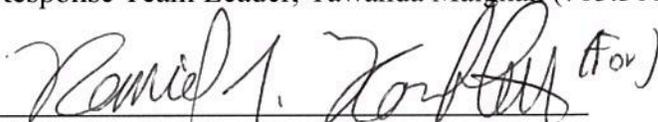
The Environmental Protection Agency (EPA) hereby grants a repeat quarantine exemption, under the provisions of section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, to the United States Department of Agriculture, Animal and Plant Health Inspection Service, (USDA/APHIS) 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 poultry facilities 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 19DA01 in any future correspondence regarding this exemption.

- 2) The registered product, Virkon[®] S (EPA Reg. No. 39967-137, 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 revised section 18 use directions (*submitted to EPA on November 15, 2018*), 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 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 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 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) No treatments may be made 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 watercourses. 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 HPAIv throughout the United States.
- 12) This is the second time a quarantine exemption has been requested for this use, and the previous exemption, authorized for three years, expires on January 20, 2019. Therefore, this repeat quarantine exemption becomes effective upon that expiration date (January 20, 2019). This quarantine exemption is authorized for three years and will expire on January 20, 2022.
- 13) EPA encourages the USDA and its cooperators to seek out the most effective products and practices to address the situation and supports the generation of new product efficacy data as well. Specifically, EPA recommends further research on the stability of oxidizing disinfectants when mixed with PG and further emphasis on the use of non-organic anti-freeze agents such as calcium chloride.

If you have any questions regarding this authorization, please contact Emergency Response Team Member, Andrea Conrath (703.308.9356; conrath.andrea@epa.gov); or Emergency Response Team Leader, Tawanda Maignan (703.308.8050; maignan.tawanda@epa.gov).


 Michael L. Goodis, Director
 Registration Division
 Office of Pesticide Programs

Date: 11/15/2018

cc's:

EPA REGION 1

Robert Koethe

EPA REGION 2

Audrey Moore

Michael Brannick, Tribal Coordinator

EPA REGION 3

Harry Daw

EPA REGION 4

Phillip Beard

Patricia Livingston, Tribal Coordinator

EPA REGION 5

Seth Dibblee

Amy Mysz, Tribal Coordinator

EPA REGION 6

Jeffrey Lammers

Elizabeth Reyes, Tribal Coordinator

EPA REGION 7

Jamie Greene

Lacey Ridnour, Tribal Coordinator

EPA REGION 8

Suzanne Stevenson

EPA REGION 9

Patty Tenbrook

EPA REGION 10

Chad Schulz

Derrick Terada, Tribal Coordinator