



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

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Mr. David S. Reinhold, Chief
Environmental and Risk Analysis Services
Policy and Program Development
United States Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road
Riverdale, Maryland 20737

Date Issued: 1/20/2016
Expiration Date: 1/20/2019
Interim Report (s) Due: 1/20/2017, 1/20/2018
Final Report Due: 7/20/2019
File symbol: 15DA05

Attn: Samantha Bates

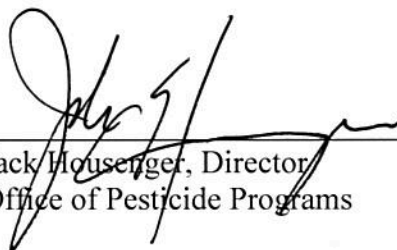
The Environmental Protection Agency (EPA) hereby grants a quarantine exemption, under the provisions of section 18 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, to the United States Department of Agriculture, Animal and Plant Health Inspection Service, (USDA/APHIS) for use of a mixture of Virkon[®] S (potassium peroxymonosulfate) and propylene glycol for disinfection of 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 Regional Office(s) 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 15DA05 in any future correspondence regarding this exemption.

- 2) 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. The product, Virkon[®] S (EPA Reg. No. 71654-6, containing 21.41% potassium peroxymonosulfate), may be applied. All applicable use directions, restrictions, and precautions on the registered product label and on the USDA/APHIS-prepared section 18 label/use directions, as revised on November 30, 2015, must be followed. Commercially available propylene glycol (PG) may be used (available from various manufacturers).
- 3) Hard nonporous surfaces, outdoors under freezing temperatures, on poultry premises may be treated under this exemption, 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 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) 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.
- 13) This quarantine exemption expires three (3) years from the date of issuance.

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, Debra Rate (703.306.0309; rate.debra@epa.gov).



Jack Housenger, Director
Office of Pesticide Programs

Date: 1/20/14

CCs:

EPA REGION 1

Robert Koethe

EPA REGION 2

Linda Mael
Aarti Reddy, 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

Royan Teter
Dick Weichman, Tribal Coordinator

EPA REGION 8

Suzanne Stephenson

EPA REGION 9

Patty Tenbrook
Marcy Katzin, Tribal Coordinator

EPA REGION 10

Chad Schulz
Gabiella Carvalho, Tribal Coordinator