



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

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

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Effective Date: November 1, 2019
Expiration Date: November 1, 2022
Interim Reports Due: November 1, 2020
November 1, 2021
Final Report Due: May 1, 2022
File symbol: 19DA03

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, as amended, to the United States Department of Agriculture, Animal and Plant Health Inspection Service, (USDA/APHIS), for use of sodium hypochlorite and propylene glycol mixture to treat pre-cleaned hard, nonporous environmental surfaces in freezing temperatures on poultry premises potentially contaminated with Newcastle disease virus (NDV). This exemption is effective on November 1, 2019. The quarantine exemption program is for use when all other chemical and cultural practices are unsuitable, and is subject to the conditions and restrictions specified in the application submitted to EPA as well as the following conditions and restrictions below:

- 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 in accordance with 40 CFR §166.32(b). Accordingly, a final report summarizing the results of this program must be submitted to EPA Headquarters and the appropriate EPA Regional Office(s) within 6 months following the expiration of this quarantine exemption; also, interim reports must be submitted annually by the dates indicated 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 these chemicals in connection with this exemption. Refer to file symbol **19DA03** in any future correspondence regarding this exemption.

- 2) Applications under this quarantine exemption may be made in response to NDv outbreaks at infected poultry premises experiencing freezing temperatures. A mixture of commercially available sodium hypochlorite and propylene glycol (numerous manufacturers) may be used. Follow all applicable use directions, restrictions and precautions on the registered sodium hypochlorite and propylene glycol product labels and the Section 18 label/use directions prepared by USDA/APHIS, including the use of appropriate personal protective equipment.
- 3) Hard nonporous surfaces outdoors on poultry premises in freezing temperatures, may be treated under this exemption, including but not limited to delivery trucks, tractors, farm vehicles, other conveyances, farm equipment, and footwear that are potentially contaminated with NDv.
- 4) Surfaces must be cleaned prior to disinfection. Gross contamination, organic material and debris must be removed via mechanical means such as brushing (dry cleaning) and/or the use of water and soap or detergents (wet cleaning).
- 5) Surfaces may be treated with solutions of 0.525% or 5,250 ppm sodium hypochlorite and 20% or 40% propylene glycol, depending on air temperature. The remaining percent of the mixture is water. The colder the temperature, the more propylene glycol is necessary to keep the mixture from freezing. After treatment thoroughly wash all surfaces and equipment with water. Allow to dry before re-handling.
- 6) Once prepared, the diluted solution must be used as soon as possible, not to exceed 30 minutes beyond its preparation time.
- 7) Surfaces must be sprayed or wiped until saturated (visibly wet) and the following required contact times and concentration times must be used: 10-minute contact time at temperatures of 0 to -10°C (32 to 14°F), 20% propylene glycol is necessary. At these temperatures, mix 2 parts propylene glycol, 7 parts of water, and 1 part bleach (5.25% sodium hypochlorite); 20-minute contact time at temperatures of -11 to -25°C (12 to -13°F), 40% propylene glycol is necessary. At these temperatures, mix 4 parts propylene glycol, 5 parts of water, and 1 part of bleach (5.25% sodium hypochlorite). Keep surface visibly wet for the full duration of contact time and reapply solution if necessary. Allow surfaces to air dry.
- 8) This quarantine exemption is a non-food/feed use; therefore, no treatments are permitted under this authorization on food or feed items, or where food or feed is present.
- 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) Treatments may be made at poultry facilities throughout the United States by or under the direct supervision of trained pesticide applicators from the USDA/APHIS, APHIS-approved partner laboratories, and those under USDA/APHIS oversight only during the fall or winter months when an infected premise is experiencing freezing temperatures.

- 11) Persons diluting and/or mixing sodium hypochlorite solutions must wear Tyvek coveralls covered by a Tychem apron or Tychem overalls; nitrile, neoprene, or butyl gloves and protective eyewear. Avoid breathing vapors, vacate poorly ventilated areas as soon as possible, and do not return until odors have dissipated. Persons in an area which cannot be properly ventilated or in which sodium hypochlorite vapors cannot be avoided must wear a NIOSH approved respirator with an organic vapor (OV) cartridge with any combination N, R or P filter; or a NIOSH approved powered air purifying respirator with an organic vapor (OV) cartridge and combination HE filter; or a NIOSH approved gas mask with an organic vapor cannister.
- 12) 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.
- 13) This quarantine exemption expires on November 1, 2022, three years from the effective date of this authorization.

If there are any questions regarding the authorization of this quarantine exemption program, please contact Emergency Response Team member Stacey Groce [(703) 305-2505; groce.stacey@epa.gov] or the Acting Emergency Response Team Leader, Andrea Conrath [(703) 308-9356; conrath.andrea@epa.gov].



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

Date: 10/16/2019

cc: Harry Daw, USEPA Region 3