



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

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

Elizabeth E. Nelson, DrPH, 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: **AUG 24 2018**
Effective Date: September 17, 2018
Expiration Date: September 17, 2021
Interim Reports Due: September 17, 2019
September 17, 2020
Final Report Due: March 17, 2022
File symbol: 18DA02

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 sodium hypochlorite to control foot-and mouth disease virus (FMD), African swine fever virus (ASF), and classical swine fever virus (CSF) on porous and/or nonporous surfaces. The purpose of this exemption is to allow USDA/APHIS to be prepared in the event of an introduction or outbreak of disease caused by these viruses. The provisions of the authorization will ensure that an adequate supply of material, and appropriate disinfection guidance are in place prior to an incident. This exemption is effective on September 17, 2018, and is subject to the conditions and restrictions specified in the application submitted to EPA as well as the following conditions and restrictions.

- 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 18-DA-02 in any future correspondence regarding this exemption.

- 2) The use may take place at any federal, state, or private indoor or outdoor use site, such as agricultural and non-agricultural equipment and facilities; transportation equipment and facilities; quarantine equipment and facilities; laboratory equipment and facilities; and footwear/personal protective equipment associated with use sites.
- 3) Treatments may be made by USDA/APHIS, APHIS-approved partner laboratories, and those under APHIS' direct oversight.
- 4)
 - a) Treatments may be made under this exemption to sites with **porous only** surfaces and to sites with a **combination of porous/nonporous** surfaces.
 - b) Treatments may only be made to sites with **exclusively nonporous** surfaces when suitable federally registered products are not available.
- 5) Follow all use directions, restrictions and precautions on the sodium hypochlorite Section 18 label/use directions submitted by USDA/APHIS with their exemption request, including the use of appropriate personal protective equipment. Always apply freshly made solutions, prepared for each use. Do not reuse the solution. Surfaces must be pre-cleaned by removing extraneous organic matter such as with detergent, rinsing, and drying.
- 6) Commercially available sodium hypochlorite at up to 12.5% concentration (numerous manufacturers) may be used. Use rate for treatment is 0.3% sodium hypochlorite (3,000 ppm available chlorine). Disinfectant mixture may be sprayed or wiped onto surfaces until moist.
To make a final 0.3% sodium hypochlorite solution:
 - 1 part 5.25% sodium hypochlorite product to 16.5 parts water
 - 1 part 8.25% sodium hypochlorite product to 26.5 parts water
 - 1 part 12.0% sodium hypochlorite product to 39 parts water
 - 1 part 12.5% sodium hypochlorite product to 40 parts water
- 7) **For Non-porous surfaces:** Keep surfaces wet for a **15-minute contact time**, reapplying solution when necessary.
- 8) **For Porous surfaces:** Keep surfaces wet for a **30-minute contact time**, reapplying solution when necessary. Rewet with a minimum of two (2) applications with at least 15 minutes between the first and last application.
- 9) No treatments are permitted under this authorization on food or feed items, or where food or feed is present.

- 10) Persons diluting and/or mixing sodium hypochlorite solutions must wear Tyvek coveralls covered by a Tychem apron or Tychem coveralls; 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 with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with organic vapor (OV) cartridge and combination HE filter with NIOSH approval number prefix TC-23C; or a NIOSH approved gas mask with an organic vapor canister with NIOSH approval number prefix TC-14G. Persons using 12.0% and 12.5% sodium hypochlorite products must, in addition, have readily available an eye wash station and emergency shower facilities.
- 11) This quarantine exemption expires September 17, 2021.

If you have any questions regarding the authorization of this quarantine exemption program, please contact Emergency Response Team member Andrea Conrath at (703) 308-9356; conrath.andrea@epa.gov, or the Emergency Response Team Leader Tawanda Maignan at 703/308-8050; maignan.tawanda@epa.gov.



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

Date: August 24, 2018

cc: Harry Daw, USEPA Region 3