



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

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4700 River Road  
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**Date Amended:** June 22, 2017

**Date Issued:** September 17, 2015

**Expiration Date:** September 17, 2018

**Interim Reports Due:** September 17, 2016  
September 17, 2017

**Final Report Due:** March 17, 2019

**File symbol:** 15DA01

**\*\*\*AMENDMENT\*\*\***

**Attn:** Samantha B. Floyd

The Environmental Protection Agency (EPA) hereby amends a quarantine exemption authorized on September 17, 2015, 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 (CAS# 7681-52-9) 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 USDA/APHIS has requested that the personal protective equipment be revised to agree with those on currently registered similar products, as well as similar section 18 uses. Additionally, USDA noted an error in the rate calculations and this amendment corrects that.

Accordingly, items (5), (6), and (10) of the original authorization are hereby amended to read as follows:

- 5) Follow all use directions, restrictions and precautions on the sodium hypochlorite Section 18 label/use directions prepared by USDA/APHIS, **as modified in the submission to EPA of 5/25/17**, 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.

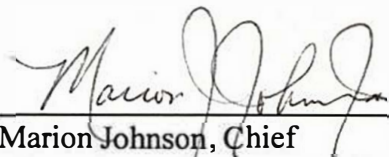
- 6) Commercially available sodium hypochlorite at up to 12.5% concentration (numerous manufacturers) may be used. Use rate for treatment is 0.3% sodium hypochlorite (3,000 ppm available chlorine). Disinfectant mixture may be sprayed or wiped onto surfaces until moist.

To make a final 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

- 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.

All other previous conditions and restrictions from the original authorization remain unchanged. 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](mailto:conrath.andrea@epa.gov); or the Emergency Response Team Leader, Tawanda Maignan at (703)308-8050; [maignan.tawanda@epa.gov](mailto:maignan.tawanda@epa.gov).



Marion Johnson, Chief  
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Date: 6/22/2017

cc: Harry Daw, USEPA Region 3