



APHIS-Authorized Disinfectants for Use When Handling APHIS Regulated Garbage

Entities wishing to handle garbage regulated by the United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS) **must** be approved to do so and have a regulated garbage compliance agreement. Approval granted by APHIS to handle APHIS regulated garbage **does not** reduce or eliminate any entity of their legal duty and responsibility to comply with all other applicable Federal, State, and local regulatory requirements. By signing a regulated garbage compliance agreement with APHIS or United States Customs and Border Protection, the signatory certifies that his/her establishment has met or will meet the requirements of all applicable environmental protection laws prior to handling garbage regulated by APHIS under the authority of USDA.

List of APHIS-Authorized Disinfectants for use When Handling APHIS Regulated Garbage

Virkon™ S (Environmental Protection Agency (EPA) Reg. No. 39967-137) and Clorox® disinfectants are authorized for use to mitigate the potential risk of the introduction and spread of plant and animal pests and diseases.

- **Virkon™ S** (EPA Reg. No. 39967-137)
- Sodium hypochlorite products:
 - 7.50% Clorox® products with EPA Registration Number 5813-120
 - 7.55% Clorox® products with EPA Registration Number 5813-121
 - 8.25% Clorox® products with EPA Registration Number 67619-32

⚠ CAUTION

Brand names for sodium hypochlorite products may vary. You **must** ensure the EPA Registration Number and concentration match those listed.

Cleaning and Disinfection Procedures

Follow the procedures below to mix and apply **Virkon™ S** and **Clorox®**.

Virkon™ S (EPA Reg. No. 39967-137)

Refer to the instructions that follow to mix and apply **Virkon™ S** (EPA Reg. No. 39967-137) on APHIS regulated garbage:

Non-Food Handling Areas

1. Mix Virkon™ S (EPA Reg. No. 39967-137) according to the label for a 1% solution.

2. Remove regulated garbage (liquid and solid) from contaminated surfaces prior to applying Virkon™ S. Apply any absorbent material, as needed. Dispose all collected regulated garbage and materials used in cleaning and disinfection as regulated garbage.
3. Clean/scrub the affected area with detergent.
4. Flush the affected area with clean water.
5. Apply the Virkon™ S (EPA Reg. No. 39967-137) disinfectant solution generously; wet the entire affected area. Read the disinfectant label to determine how long the disinfectant should remain on the surfaces. Reapply disinfectant if necessary to maintain wet surface for time specified in label.
6. Flush area with clean water and air dry per disinfectant label.
7. Repeat steps for application disinfectant, as needed.

Storage

- Virkon™ S (EPA Reg. No. 39967-137): Refer to the manufacturer’s label for the expiration date.
- Once mixed, Virkon™ S (EPA Reg. No. 39967-137) may **only** be used for 7 days from the date of mixing. Write the name “Virkon™ S” and the date the solution was mixed on the container holding the solution.

Food Handling Areas

Do not use Virkon™ S (EPA Reg. No. 39967-137) in food handling areas, including aircraft passenger areas and galleys. Use only sanitizers approved by EPA for use in food handling areas. Ensure the sanitizer is allowed by the location where it is being used.

1. Prior to applying sanitizer, remove **all** regulated garbage (liquid and solid) from contaminated surfaces. Apply an absorbent material as needed. Dispose **all** collected regulated garbage and materials used in cleaning and sanitizing as regulated garbage.
2. Follow the instructions on the sanitizer label.

Clorox®

The following sodium hypochlorite products are authorized for use as disinfectants to mitigate the potential risk of the introduction and spread of plant and animal pests and diseases.

- 7.50% Clorox® products with EPA Registration Number 5813-120
- 7.55% Clorox® products with EPA Registration Number 5813-121
- 8.25% Clorox® products with EPA Registration Number 67619-32

⚠ CAUTION

Brand names for sodium hypochlorite products may vary. You **must** ensure the EPA Registration Number and concentration match those listed.

Use disinfectants in a manner consistent with the EPA label and the master label directions.

1. Search for the approved EPA registration number to access the master label using the [EPA website](#). Enter the registration number in the “EPA Registration Number” field.
2. Disinfectants **must** be registered in the State where they will be used. For information on product registration by state, visit the [National Pesticide Information Retrieval System](#). Select a State. In the “EPA Registration Number” box, search for the approved registration

number. Select the search box at the bottom of the page. **Note:** Some states may **not** authorize the use of all Clorox® products.

Regulated garbage compliance agreement holders are authorized to use Clorox® for disinfection of surfaces contaminated with regulated garbage, provided the use of Clorox® is in compliance with the laws and regulations within your State or U.S. territory/possession.

NOTICE

Per EPA label guidance, use of Clorox® may have precautionary statements and list certain handling and usage requirements, including cautionary information about use on certain surfaces, cautionary information regarding product corrosive properties, personal protective equipment requirements, as well as environmental safety and storage steps to be taken by the user.

Non-Food Handling Areas

1. Clean and disinfect **all** surfaces contaminated with regulated garbage, including non-disposable items such as tools, as outlined below.
2. Remove **all** regulated garbage (liquid and solid) from contaminated surfaces prior to applying detergent or disinfectant. Apply any absorbent material as needed. Dispose **all** collected regulated garbage, including disposable materials used in cleaning and disinfection, as regulated garbage.
3. Clean/scrub the affected area with detergent.
4. Flush the affected area with clean water.
5. **Clorox® 7.50% or 7.55%:** per label instructions, prepare the disinfectant solution by adding 1 part product to 7 parts water (8 ounces to 56 ounces water) for 8,900 ppm available chlorine.
 - A. 7.50% Clorox® products with EPA Registration Number 5813-120
 - B. 7.55% Clorox® products with EPA Registration Number 5813-121
6. **Clorox® 8.25%:** per label instructions, prepare the disinfectant solution by adding 1 part product to 9 parts water (8 ounces Clorox® to 72 ounces water) for approximately 7,800 ppm available chlorine.
 - A. 8.25% Clorox® products with EPA Registration Number 67619-32
7. Apply the mixed bleach dilution to the surface and allow it to remain on the surface for 5 minutes (unless otherwise indicated on the Clorox® product label.)
8. Rinse the surface with clean water and allow the surface to dry.

Storage

1. After the original Clorox® bottle is opened, it may **only** be used for a maximum of two months.
2. When Clorox® is diluted, it may **only** be used for a 24-hour period post dilution. The words “Bleach Solution” and the date and time of dilution **must** be written on the container holding the diluted solution.

Food Handling Areas

Use **only** sanitizers approved by EPA for use in food handling areas. Ensure the sanitizer is allowed by the location where it is being used.

1. Remove **all** regulated garbage (liquid and solid) from contaminated surfaces prior to applying sanitizer. Apply an absorbent material, as needed. Dispose **all** collected regulated garbage and materials used in cleaning and sanitizing as regulated garbage.
2. Follow the instructions on the sanitizer label.

Additional Cleaning and Disinfection Procedures

Treat the dock area and the area around grinders, sterilizers, incinerators, compactors and/or dumpsters, so that surfaces are impervious to water and can be cleaned and disinfected.

Treat all wooden surfaces in garbage handling areas (including storage areas and inside transport vehicles) so that the surfaces are impervious to water and can be cleaned and disinfected.

Articles Requiring Cleaning and Disinfection

Clean and disinfect any article, means of conveyance, or other surface contaminated with regulated garbage with one of the APHIS-authorized disinfectants to meet regulatory requirements before the items are reused.

Clean portable articles over a drain leading to an approved sewage system or directly into a containment tank for proper disposal.

Materials and Equipment

The establishment **must** have the following items immediately available for cleaning and disinfection in all work areas and on each conveyance when handling regulated garbage spills.

- 3-mil plastic, leak-proof bags (uniquely identified) to hold collected materials
- Copy of **all** applicable Safety Data Sheets (SDSs) and disinfectant labels, if the original containers are not available
- Detergent
- Equipment to pick up solid material (such as a shovel or broom and dustpan)
- Material to contain and/or absorb liquids
- One of the APHIS-authorized disinfectants
- Personal protective equipment (such as rubber or latex gloves and safety goggles) and/or other equipment as required by the SDS, disinfectant labels and the establishment
- Sanitizer approved by EPA for use on and around food contact surfaces, as applicable
- Scrub brush
- Seals, such as ties or tape, to seal 3 mil plastic bags
- Source of clean water adequate to achieve proper cleaning and disinfection
- Spray bottle or plastic container to mix and apply disinfectant (must have markings to show volume of water to add or another measuring device for the water) and materials to label bottle/container

Record Keeping

The establishment maintains records of disinfectant and sanitizer used in association with the handling of regulated garbage. This includes disinfectant used for both routine cleaning and disinfection of spills. Records **must** include at a minimum:

- Date and time of notification of spills to APHIS or CBP, as applicable
- Date of disinfectant or sanitizer used

- Name of employee notifying APHIS or CBP, as applicable
- Specific location of disinfectant or sanitizer used
- Volume and concentration of disinfectant or sanitizer used

Keep these records for 3 years from the date of disinfectant or sanitizer usage.