



# United States Department of Agriculture

## 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

1. **Virkon™ S**, EPA Reg. No. 39967-137 (formerly Virkon® S, EPA Reg. No. 71654-6) **must** be mixed according to the label for a 1% solution.
2. **Clorox®** (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05%.

#### NOTICE

**Virkon™ S**, EPA Reg. No. 39967-137 (formerly Virkon® S, EPA Reg. No. 71654-6) and **Clorox®** (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% disinfectants are authorized for use to mitigate the potential risk of the introduction and spread of plant and animal pests and diseases.

### Cleaning and Disinfection Procedures

Follow the procedures below for **Virkon™ S** and **Clorox®**.

#### **Virkon™ S (EPA Reg. No. 39967-137)**

When using **Virkon™ S**, EPA Reg. No. 39967-137 (formerly Virkon® S, EPA Reg. No. 71654-6) on APHIS regulated garbage, the user **must** meet the following conditions:

#### **Non Food Handling Areas**

1. **Virkon™ S**, EPA Reg. No. 39967-137 (formerly Virkon® S, EPA Reg. No. 71654-6) **must** be mixed according to the label for a 1% solution.
2. Prior to applying detergent or disinfectant, regulated garbage (liquid and solid) **must** be removed from contaminated surfaces. Apply any absorbent material, as needed. All collected regulated garbage and materials used in cleaning and disinfection **must** be disposed of 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 (formerly Virkon® S, EPA Reg. No. 71654-6) 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

1. Virkon™ S, EPA Reg. No. 39967-137 (formerly Virkon® S, EPA Reg. No. 71654-6): If there is no expiration date on the original container, use the lot number to determine the manufacturing date on the container<sup>1</sup>. Virkon™ S is fully effective for two years after manufacture. Add two years to the manufacturing date and write that date on the original container as the expiration date. If there is no lot number, use the date the Virkon™ S was purchased and add two years to that date. Discard remaining Virkon™ S per EPA requirements upon expiration.
2. Once mixed, Virkon™ S, EPA Reg. No. 39967-137 (formerly Virkon® S, EPA Reg. No. 71654-6) may only be used for seven (7) days from the date of mixing. The name “Virkon™ S” and the date the solution was mixed **must** be written on the container holding the solution.

### Food Handling Areas

Virkon™ S, EPA Reg. No. 39967-137 (formerly Virkon® S, EPA Reg. No. 71654-6) is **not** allowed to be used in food handling areas including aircraft in passenger areas and galley. 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, all regulated garbage (liquid and solid) **must** be removed from contaminated surfaces. Apply an absorbent material, as needed. All collected regulated garbage and materials used in cleaning and sanitizing **must** be disposed of as regulated garbage.
2. Follow the instructions on the sanitizer label.

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<sup>1</sup> There will be a 10+ digit number printed on the container, usually on the back or side. The first four digits indicate the year and month, i.e. YYMM.

**Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05%**

Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% is authorized for use as an authorized disinfectant to mitigate the potential risk of the introduction and spread of plant and animal pests and diseases.

Disinfectants **must** be used in a manner consistent with the Environmental Protection Agency (EPA) label and the master label directions.

1. The master label is available on the [EPA Website](#) by searching under the “EPA Registration Number” box, insert 5813-114.
2. Disinfectants **must** be registered in the State where they will be used. For information on product registration by state please visit the [National Pesticide Information Retrieval System](#). Click on a State, under the “EPA Registration Number” box, insert 5813-114, click the search box at the bottom of the page. **Note:** Some states may **not** authorize the use of Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05%.

Regulated Garbage compliance agreement holders are authorized to use Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% for disinfection of surfaces contaminated with regulated garbage, provided the use of Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% is in compliance with the laws and regulations within your State or U.S. territory/possession.

**NOTICE**

Per EPA label guidance, use of Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% 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. All surfaces contaminated with regulated garbage, including non-disposable items such as tools, need to be cleaned and disinfected as outlined below.
2. Prior to applying detergent or disinfectant, regulated garbage (liquid and solid) **must** be removed from contaminated surfaces. Apply any absorbent material as needed. All collected regulated garbage, including disposable materials used in cleaning and disinfection **must** be disposed of as regulated garbage.

3. Clean/scrub the affected area with detergent.
4. Flush the affected area with clean water.
5. Per label instructions, prepare the disinfectant solution by adding 1 part Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% to 7 parts of water (8 ounces Clorox® EPA Reg. No. 5813-114 active ingredient sodium hypochlorite 6.05% to 56 ounces of water).
6. Apply the mixed bleach dilution to the surface and allow it to remain on the surface for at least 10 minutes (unless otherwise indicated on the Clorox® EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% product label.
7. Rinse the surface with clean water and allow the surface to dry.

### Storage

1. Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% (original Clorox® bottle) may only be used for a maximum of two months. Write the date of purchase on the original Clorox® bottle and store out of heat and sun.
2. When Clorox® (EPA Reg. No. 5813-114) active ingredient sodium hypochlorite 6.05% is diluted, it may only be used for a 24-hour period post dilution. The words “Bleach Solution”, 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. Prior to applying sanitizer, all regulated garbage (liquid and solid) **must** be removed from contaminated surfaces. Apply an absorbent material, as needed. All collected regulated garbage and materials used in cleaning and sanitizing **must** be disposed of as regulated garbage.
2. Follow the instructions on the sanitizer label.

### Additional Cleaning and Disinfection Procedures

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

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

### Articles Requiring Cleaning and Disinfection

Any article, means of conveyance, or other surface contaminated with regulated garbage, **must** be cleaned and disinfected with one of the APHIS authorized disinfectants to meet regulatory requirements before the items are reused.

Cleaning of portable articles **must** be performed over a drain leading to an approved sewage system or directly into a containment tank for proper disposal.

### Materials and Equipment

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

1. One of the APHIS-authorized disinfectants.
2. A sanitizer approved by EPA for use on and around food contact surfaces, as applicable.
3. A source of clean water adequate to achieve proper cleaning and disinfection.
4. A detergent.
5. A scrub brush.
6. Equipment to pick up solid material (such as a shovel or broom and dustpan).
7. Material to contain and/or absorb liquids.
8. 3 mil plastic, leak-proof bags (uniquely identified) to hold collected materials.
9. Copy of all applicable Safety Data Sheets (SDSs) and disinfectant labels, if the original containers are **not** available.
10. Appropriate 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.

### Record Keeping

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

1. Date of disinfectant or sanitizer used.
2. Specific location of disinfectant or sanitizer used.

3. Volume and concentration of disinfectant or sanitizer used.
4. Date and time of notification of spills to APHIS or CBP, as applicable.
5. Name of employee notifying APHIS or CBP, as applicable.

These records **must** be kept for three (3) years from the date of disinfectant or sanitizer usage.