

Cleaning and Disinfecting Your Business/Facility

April 29, 2020

Purpose

This guidance provides instructions for cleaning and disinfection of common spaces in businesses and workplaces in response to COVID-19, as well as information regarding employees' health and well-being. Please note all places should follow routine cleaning and sanitation procedures.

Businesses should:

- Routinely clean all frequently touched surfaces in the workplace, such as workstations, countertops, and doorknobs. Use the cleaning agents that are usually used in these areas and follow the directions on the label.
- Provide disposable disinfectant wipes so that commonly used surfaces (for example, doorknobs, keyboards, remote controls, desks) can be wiped down by employees before each use.
- Encourage social distancing and do not congregate in break rooms or crowded places.
- Discourage the sharing of equipment like headsets and other similar items.

Emphasize staying home when sick, respiratory etiquette and hand hygiene by all employees:

- Display educational materials that encourage staying home when sick, cough and sneeze etiquette, and hand hygiene at the entrance to your workplace and in other workplace areas where they are likely to be seen.
- Provide tissues and no-touch disposal receptacles for use by employees.
- Instruct employees to clean their hands often with an alcohol-based hand sanitizer that contains at least 60-95% alcohol or wash their hands with soap and water for at least 20 seconds. Soap and water should be used preferentially if hands are visibly dirty.
- Provide soap and water and alcohol-based hand rubs in the workplace. Ensure that adequate supplies are maintained. Place hand rubs in multiple locations or in conference rooms to encourage hand hygiene.

How to clean and disinfect

- **Clean surfaces using soap and water, then use disinfectant.**
- Cleaning with soap and water **reduces number of germs, dirt and impurities** on the surface. **Disinfecting kills germs** on surfaces.

- Practice routine cleaning and disinfection of frequently touched surfaces.
 - More frequent cleaning and disinfection may be required based on level of use.
 - Surfaces and objects in public places, such as shopping carts and point of sale keypads should be cleaned and disinfected before each use.
- High touch surfaces include: Tables, doorknobs, light switches, countertops, handles, desks, phones, keyboards, toilets, faucets, sinks, etc.

Disinfect

- **Recommend use of [EPA-registered household disinfectant](#).**
Follow the instructions on the label to ensure safe and effective use of the product.
 Many products recommend:
 - Keeping surface wet for a period of time (see product label)
 - Precautions such as wearing gloves and making sure you have good ventilation during use of the product.
- **Diluted household bleach solutions may also be used** if appropriate for the surface.
 - Check the label to see if your bleach is intended for disinfection, and ensure the product is not past its expiration date. Some bleaches, such as those designed for safe use on colored clothing or for whitening may not be suitable for disinfection.
 - Unexpired household bleach will be effective against coronaviruses when properly diluted.
Follow manufacturer's instructions for application and proper ventilation. Never mix household bleach with ammonia or any other cleanser.
Leave solution on the surface for **at least 1 minute**.

To make a bleach solution, mix:

 - 5 tablespoons (1/3rd cup) bleach per gallon of water
OR
 - 4 teaspoons bleach per quart of water
- Bleach solutions will be effective for disinfection up to 24 hours.
- **Alcohol solutions with at least 70% alcohol may also be used.**

Soft surfaces

For soft surfaces such as **carpeted floor, rugs, and drapes**

- **Clean the surface using soap and water** or with cleaners appropriate for use on these surfaces.
- **Launder items** (if possible) according to the manufacturer's instructions. Use the warmest appropriate water setting and dry items completely.

OR

- **Disinfect with an EPA-registered household disinfectant.** [These disinfectants](#) meet EPA's criteria for use against COVID-19.

Electronics

For electronics, such as **tablets, touch screens, keyboards, remote controls, and ATM machines**

- Consider putting a **wipeable cover** on electronics.
- **Follow manufacturer's instruction** for cleaning and disinfecting.
 - If no guidance, **use alcohol-based wipes or sprays containing at least 70% alcohol.** Dry surface thoroughly.

Laundry

For clothing, towels, linens and other items:

- Launder items according to the manufacturer's instructions. **Use the warmest appropriate water setting** and dry items completely.
- **Wear disposable gloves** when handling dirty laundry from a person who is sick.
- Dirty laundry from a person who is sick **can be washed with other people's items.**
- **Do not shake** dirty laundry.
- Clean and **disinfect clothes hampers** according to guidance above for surfaces.
- Remove gloves, and **wash hands right away.**

Cleaning and disinfecting your business or facility if someone is sick

- **Close off areas** used by the person who is sick.
 - Companies do not necessarily need to close operations, if they can close off affected areas.
- **Open outside doors and windows and use ventilating fans** to increase air circulation in the area.

- **Wait 24 hours** before you clean or disinfect. If 24 hours is not feasible, wait as long as possible.
- Clean and disinfect **all areas used by the person who is sick**, such as offices, bathrooms, common areas, shared electronic equipment like tablets, touch screens, keyboards, remote controls, and ATM machines.
- Once area has been **appropriately disinfected**, it **can be opened for use**.
 - **Workers without close contact** with the person who is sick can return to work immediately after disinfection.
- If **more than 7 days** since the person who is sick visited or used the facility, additional cleaning and disinfection is not necessary.
 - Continue routine cleaning and disinfection. This includes everyday practices that businesses and communities normally use to maintain a healthy environment.

Cleaning and disinfecting outdoor areas

- Outdoor areas, like **playgrounds in schools and parks** generally require **normal routine cleaning**, but **do not require disinfection**.
 - Do not spray disinfectant on outdoor playgrounds- it is not an efficient use of supplies and is not proven to reduce risk of COVID-19 to the public.
 - High touch surfaces made of plastic or metal, such as grab bars and railings should be cleaned routinely.
 - Cleaning and disinfection of wooden surfaces (play structures, benches, tables) or groundcovers (mulch, sand) is not recommended.
- **Sidewalks and roads should not be disinfected**.
 - Spread of COVID-19 from these surfaces is very low and disinfection is not effective.

When Cleaning

- **Regular cleaning staff** can clean and disinfect community spaces.
 - Ensure they are trained on appropriate use of cleaning and disinfection chemicals.
- **Wear disposable gloves and gowns for all tasks in the cleaning process, including handling trash**.
 - Additional personal protective equipment (PPE) might be required based on the cleaning/disinfectant products being used and whether there is a risk of splash.

- Gloves and gowns should be removed carefully to avoid contamination of the wearer and the surrounding area.
- **Wash your hands often** with soap and water for 20 seconds.
 - - Always wash immediately after removing gloves and after contact with a person who is sick.
 - Hand sanitizer: If soap and water are not available and hands are not visibly dirty, an alcohol-based hand sanitizer that contains at least 60% alcohol may be used. However, if hands are visibly dirty, always wash hands with soap and water.
- **Additional key times to wash hands** include:
 - After blowing one's nose, coughing, or sneezing.
 - After using the restroom.
 - Before eating or preparing food.
 - After contact with animals or pets.
 - Before and after providing routine care for another person who needs assistance (e.g., a child).

Additional Considerations for Employers

- **Educate workers** performing cleaning, laundry, and trash pick-up to recognize the symptoms of COVID-19.
- Provide instructions **on what to do if they develop symptoms within 14 days** after their last possible exposure to the virus.
- Develop **policies for worker protection and provide training** to all cleaning staff on site prior to providing cleaning tasks.
 - Training should include when to use PPE, what PPE is necessary, how to properly don (put on), use, and doff (take off) PPE, and how to properly dispose of PPE.
- Ensure workers are **trained on the hazards of the cleaning chemicals** used in the workplace in accordance with OSHA's Hazard Communication standard ([29 CFR 1910.1200](#)).
- **Comply** with OSHA's standards on Bloodborne Pathogens ([29 CFR 1910.1030](#)), including proper disposal of regulated waste, and PPE ([29 CFR 1910.132](#)).

Alternative Disinfection Methods

- The efficacy of alternative disinfection methods, such as ultrasonic waves, high intensity UV radiation, and LED blue light against COVID-19 virus is not known.
 - EPA does not routinely review the safety or efficacy of pesticidal devices, such as UV lights, LED lights, or ultrasonic devices. Therefore, EPA cannot confirm whether, or under what circumstances, such products might be effective against the spread of COVID-19.
- CDC does not recommend the use of sanitizing tunnels. There is no evidence that they are effective in reducing the spread of COVID-19. Chemicals used in sanitizing tunnels could cause skin, eye, or respiratory irritation or damage.
- CDC only recommends use of the [surface disinfectants identified on List N](#) against the virus that causes COVID-19.

