

COVID-19 NON-HEALTHCARE FACILITY CLEANING GUIDELINES

For facilities that are known to have had sick persons within that space (fevers, cough, difficulty breathing), please contact EHS (5-0153) for an evaluation of necessary cleaning protocols and procedures. For most cases, general cleaning and disinfection will be adequate. However, if staff are unwilling, unable or unavailable for general cleaning then a contractor will be contacted to complete the cleaning/disinfection process. It will be important to let the building occupants know that pre-emptive and precautionary cleaning and disinfection will be occurring to prevent fear and concern amongst the building occupants. For confirmed cases, the building will be temporarily closed for occupancy and a contractor will be called automatically for a deep clean.*

Products can be identified by the following claim on the container:

- “[Product name] has demonstrated effectiveness against viruses similar to COVID-19 on hard non-porous surfaces. Therefore, this product can be used against COVID-19 when used in accordance with the directions for use against [name of supporting virus] on hard, non-porous surfaces.”
- This claim or a similar claim, will be made only through the following communications outlets: technical literature distributed exclusively to health care facilities, physicians, nurses and public health officials, “1-800” consumer information services, social media sites and company websites (non-label related). Specific claims for “COVID-19” will not appear on the product or master label.
- If there are no available EPA-registered products that have an approved emerging viral pathogen claim for COVID-19, products with label claims against human coronaviruses should be used according to label instructions. See [List N: Disinfectants for Use Against SARS-CoV-2](https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2) (<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>)

***Non-healthcare facilities cleaning reference at: <https://www.cdc.gov/coronavirus/2019-ncov/community/home/cleaning-disinfection.html>**

GENERAL PREVENTATIVE CLEANING

Cleaning products will be provided by the University, do not bring cleaning products from home. Only fragrance free or low fragrance products will be used. Follow label directions for PPE.

If MSU employees in MSU owned properties are experiencing symptoms or sensitivities to cleaning product use, they should contact EHS Occupational Safety at 355-0153 for an indoor air quality evaluation. If MSU employees in Eyde owned properties are experiencing this they should contact maintenance@eyde.com and request a Protech evaluation of airflow and ventilation.

Hard Surfaces

Clean and disinfect high-touch surfaces daily in common areas. Some examples: tables, hard-backed chairs, doorknobs, light switches, remotes, handles, desks, toilets, sinks, personal electronic equipment.

Wear disposable gloves. Discard gloves after each cleaning. If reusable rubber gloves are used, they must be dedicated for cleaning and disinfection of surfaces for the COVID-19 and should not be used for any other purposes. Consult the manufacturer's instructions for cleaning and disinfecting after each use. Wash hands immediately after either type of glove is removed.

Surfaces that are visibly dirty should be cleaned prior to disinfection, using a detergent or soap and water.

Soft or Porous Surfaces

Examples: carpeted floor, rugs, drapes, fabric chairs.

Remove visible contamination if present and clean with appropriate cleaners indicated for use on these surfaces.

After cleaning, launder items that can be in accordance to manufacturer's instructions using the warmest water appropriate and dry items completely or use an EPA list N disinfectant that is suitable for porous surfaces.

Laundry items

Wear gloves as described previously. Wash hands immediately after gloves are removed.

Do not shake out dirty laundry, minimize the possibility of dispersing virus through the air.

Wash hands immediately after handling the laundry.

Launder items in accordance to the manufacturer's instructions, using the warmest setting allowable and drying completely. Laundry from ill people can be washed with other people's items.

Clean and disinfect clothes hamper according to hard surface instruction above. Utilize a disposable bag liner if possible and throw away after each use.

DISINFECTION PROCEDURES

Chemical disinfectants in the United States are registered and regulated by the U.S. Environmental Protection Agency (EPA) under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) (40 CFR Parts 150-189). Under FIFRA, chemical disinfectants are considered "antimicrobial pesticides" or "substances or mixtures of substances intended to destroy or suppress the growth of harmful microbiological organisms, and pesticides that protect inanimate objects and surfaces from organisms such as bacteria, viruses, or fungi." All EPA-registered pesticides must have an EPA registration number. **FIFRA further requires that all label use directions and safety precautions must be followed.** The use of a registered disinfectant in a manner inconsistent with its labeling may not only result in an ineffective application, but it may be a "misuse" of the product subject to potential enforcement action.

The SARS-CoV-2 virus is very susceptible to inactivation by disinfectants because it is enveloped. Enveloped viruses are the least resistant to inactivation by disinfection. The structure of these viruses includes a lipid envelope, which is easily compromised by most disinfectants. Once the lipid envelope is damaged, the integrity of the virus is compromised, thereby neutralizing its capacity to infect. (Disinfection using diluted household bleach solutions, alcohol solutions with at least 70% alcohol, and EPA List N registered disinfectants (over 80 registered) are effective. **Again, federal regulations require that all label use directions and safety precautions must be followed (see Chlorox bleach as an example of following label use.)**)

ACTIVE INGREDIENT:
Sodium Hypochlorite..... 6.15%
OTHER INGREDIENTS:..... 93.85%
TOTAL:..... 100.00%
(Yields 5.84% available chlorine.)

INGREDIENTE ACTIVO:
Hipoclorito de Sodio..... 6.15%
OTROS INGREDIENTES:..... 93.85%
TOTAL:..... 100.00%
(Proporciona 5,84% de cloro disponible.)

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** use this product full strength for cleaning surfaces. Always dilute strictly in accordance with label directions. For prolonged use, wear gloves.

DISINFECTING	Product	Water	Instructions
Floors, Walls, Bathtubs & Showers	3/4 Cup	1 Gallon	Pre-wash surface, mop or wipe with bleach solution. Allow solution to contact surface for at least 5 minutes. Rinse well and air dry.
Toilet Bowls	3/4 Cup	Toilet Bowl	Flush toilet. Pour this product into bowl. Brush entire bowl, including under rim. Let stand 5 minutes before flushing.

SANITIZING

Work Surfaces	1 Tbsp (1/2 oz)	1 Gallon	Wash, rinse, wipe surface area with bleach solution for at least 1 minute. Let air dry.
Dishes, Glassware, Utensils	1 Tbsp (1/2 oz)	1 Gallon	Wash and rinse. After washing, soak for at least 1 minute in bleach solution, drain and air dry.
Mops, Brooms, Brushes & Rags	3/4 Cup	1 Gallon	Pre-wash items, then soak them in bleach solution for at least 5 minutes. Rinse well and air dry.

DEODORIZING

Garbage Cans	2/3 Cup	1 Gallon	After washing and rinsing, brush inside with bleach solution. Let drain.
Drains	1 Cup (8 oz)	—	Flush drains. Pour into drain. Flush with hot water.

MOLD, MILDEW & STAIN REMOVAL

All Surfaces	3/4 Cup	1 Gallon	Add bleach to concentrated detergent solution. Apply. Let stand for at least 5 minutes. Wipe and rinse.
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DILUTION TABLE: PPM (Parts Per Million) Available Chlorine.
Check chlorine concentration with standard test strip.
1/2 oz. this product (1 tablespoon) + one gallon water = 200 ppm
2/3 cup this product + one gallon water = 2400 ppm
3/4 cup this product + one gallon water = 2700 ppm
12 oz. this product + one gallon water = 5000 ppm

This example of a bleach bottle label illustrates how to read the label to find the instructions for how to use the Environmental Protection Agency (EPA) registered product. It is a Federal law that you must follow the manufacturers guidelines on use of the disinfectant.

- Be aware of expiration information for the concentrated product and it's required dilution. If you cannot find the expiration information on the bottle, contact the manufacturer. Bleach information is also found on EPA website.
 - Concentrated bleach expires 6 months after being opened, as per EPA.
 - Diluted bleach expires after 24 hours of being diluted, as per EPA.
- Check the percent active ingredient and follow the instructions for the product.
- Check the concentration required for the type of use. Follow the concentration recommended for what you are using it for. See chart on bottle label above for DISINFECTING, it requires 2700 ppm, ¾ cup of the product added to 1 gallon of water.
- Review hazards and wear appropriate personal protective equipment (PPE). Ensure proper ventilation.
 - Bleach is corrosive and poses a splash hazard. Wear clothing covering skin (lab coat, long pants, closed toed shoes), disposable gloves, splash goggles when making dilution or using.
 - Never mix bleach with ammonia or any other cleanser.
- Follow instruction for pre-wash, contact time, rinsing, and drying.
 - Pre – wash soiled areas before disinfecting
 - Allow solution to contact surface and remain wet for at least 5 minutes.
 - Rinse well and air dry.
- Find out from the facility how to dispose of used product. Diluted product can be disposed of down the sanitary sewer or larger amounts or concentrated amounts should be collected and picked up by EHS.

HAND HYGIENE

Wash hands often, including immediately after removing gloves or after contact with an ill person.

Other times to wash hands:

- After blowing 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 (child, elderly)

Wash hands with soap and water for 20 seconds, dry well. If soap and water are not available and hands are not visibly dirty, an alcohol-based hand sanitizer that contains at least 60% alcohol can be used. If visibly dirty, the hand sanitizer will not be as effective.

Questions

If you have questions regarding general cleaning/disinfection of non-medical facilities, please contact the MSU Office of Environmental Health & Safety (517-355-0153). MSU EHS is available 24 hours a day, 7 days a week to answer time-sensitive questions about respiratory protection and infection control. For any health-related concerns, please contact the University Physician's office (517-353-8933).