



U.S. NAVAL SUPPORT ACTIVITY NAPLES ITALY
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SANITIZATION OF COVID-19 POSITIVE WORKSPACES

U.S. Naval Support Activity (NAVSUPPACT), Naples, Italy, is committed to the health and safety of all employees, tenants, families and guests. To protect personnel from the spread of COVID-19, NAVSUPPACT Naples implements an aggressive and comprehensive safety awareness and social distance restriction requirements in collaboration with the Decrees of the Host Nation and Regional Authorities.

Every person onboard NAVSUPPACT Naples is in part responsible for the safety and wellbeing of their fellow workers, customers, and contacts. Managers, supervisors, and employees must understand their responsibilities and make safety conscious decisions regarding the prevention of the spread of the COVID-19 virus in the workplace/space.

Any employee that feels ill or the effects of the COVID-19 virus shall follow the required sick leave notifications, utilize their sick leave options and stay at home. Any employee whom is a close contact, by their own assessment, with a person knowingly being tested for COVID-19 shall immediately contact their supervisor as soon as they know the test will be conducted. The employee shall not return to work until a negative result is received by the person testing. Should the person test positive, the employee will immediately contact NAVSUPPACT Naples medical personnel (competent physician for Local National employees at DSN: 626-5810, or Public Health Doctors for U.S. employees at COMM: +39-335-725-6522) for further guidance.

Any employee that tests positive for COVID-19 shall immediately report the results to the aforementioned medical personnel and their immediate supervisor. Workspaces shall be sanitized, as required, using the attached checklists and guidelines before being reoccupied. Do not hesitate to contact the medical teams or the Installation Safety Office for assistance.

I urge everyone to maintain limited face to face contacts, wearing of the proper mask/face coverings, social distancing, bubble protection, washing of hands, and daily sanitization wipe downs of frequently touched areas in their personal workspace. Only working together as one team, making responsible decisions a daily norm, will we be able to limit the spread of the COVID-19 virus.

W. STEWART

COVID-19 POSITIVE AREAS SANITIZATION CHECKLIST

Department/Division	# of personnel assigned	_# of personnel present
POC:		
Location:		
Date:		

The checklist below is a list of controls and principles based on the following requirements:

- Italian Ministry of Health Circular number 5443 (22 February 2020).
- Italian Ministry of Health Circular number 17644 of (22 May 2020)
- Italian DPCM (13 October 2020)
- Italian ISS report about the recommendations on cleaning and disinfection of non-healthcare settings during COVID-19 health emergency: surfaces, indoor environments, and clothing of (15 May 2020).
- U.S. Center for Disease Control (CDC): Reopening Guidance for Cleaning and Disinfecting Public Spaces, Workplaces, Businesses, Schools and Homes (May 7, 2020).
- U.S. Environmental Protection Agency (EPA) List N: Disinfectants for Coronavirus (COVID-19) (https://www.epa.gov/pesticide-registration/list-n-disinfectants-coronavirus-covid-19)
- OSHA and the respective Host Nation (HN) Safety and Occupational Health Act.

This checklist provides the NAVSUPPACT Naples requirements for the *sanitization* of rooms or areas occupied by those with confirmed COVID-19. It is aimed at limiting the survival of SARS-CoV-2 in key environments. The requirements consider the environmental impact and health risks for installation employees.

If it has been more than 7-10 days, in accordance with Italian Ministry of Health Circular number 17644 dated 22 May 2020, (https://www.cdc.gov/coronavirus/2019-ncov/community/reopen-guidance.html) since the person with confirmed COVID-19 visited or used the facility, additional sanitization may not be necessary, contact the safety office for further guidance.

- 1. Sanitation, of the places and areas potentially contaminated by Covid-19, must be executed before being used again. (Sanitization, by Local National employees, shall only be completed by personnel who is in accordance with ISS Covid-19 Report n.25/2020, that have been trained by the Competent Physician and the RSPP)
- 1.1. ☐ Immediately close off areas visited by the person with confirmed COVID-19 as soon as confirmed by public health or the competent physician.
- 1.2. \square . As soon as practical schedule or begin sanitization, using trained persons.
- 1.3. □. Personnel performing the sanitization shall wear PPE: FFP2 (or FFP3) masks, eye/facial protection (for splashing protection), disposable gloves, disposable

COVID-19 POSITIVE AREAS SANITIZATION CHECKLIST

waterproof gowns with long sleeves (in accordance with Italian Ministry of Health Circular number 5443 dated 22 February 2020). Follow the measures indicated for the safe removal of PPE (undressing). After the use, disposable PPE must be disposed of as potentially infectious material.

- 1.4. ☐ Sanitize with particular attention all surfaces most frequently touched (e.g. doors, handles, windows, glass, tables, light switches, desks, chairs, passage handles, keyboards, remote controls, phones, printers). Focus on any surface that may be touched in the course of a work process or passage.
- 1.5. □ Sanitize with items found on List N: products to use against SARs-CoV-2. Use bleach containing 5.25%-8.25% sodium hypochlorite. Do not use a bleach product if the percentage is not in this range or is not specified. Follow the manufacturer's application instructions for the surface, ensuring a contact time of at least 1 minute. Ensure proper ventilation during and after application. Check to ensure the product is not past its expiration date. Never mix household bleach with ammonia or any other cleanser. This can cause fumes that may be very dangerous to breathe in. https://www.cdc.gov/coronavirus/2019-ncov/community/disinfecting-building-facility.html

Prepare a bleach solution by mixing:

- 5 tablespoons (1/3rd cup) of 5.25%-8.25% bleach per gallon of room temperature water OR
- 4 teaspoons of 5.25%-8.25% bleach per quart of room temperature water **Bleach solutions will be effective for disinfection up to 24 hours**. Follow the manufacturer's instructions for all these products. Use microfiber cloths, different for each type of object/surface.
- 1.6. <u>WARNING</u>: **DO** NOT **mix bleach** (sodium hypochlorite) and **ammonia** as this can be **DEADLY**. When combined, these two common household cleaners release toxic chloramine gas.
- 1.7. □ For soft (porous) surfaces such as carpeted floor, rugs, and drapes, remove visible contamination if present and sanitize with appropriate products indicated for use on these surfaces. After, if the items can be laundered, launder items in accordance with the manufacturer's instructions using the warmest appropriate water setting for the items and then dry items completely.
 Otherwise, use products that are EPA-approved for use against the virus that causes COVID-19 and that are suitable for porous surfaces.
- 1.8. ☐ For electronics such as tablets, touch screens, keyboards, remote controls, remove visible contamination if present. Consider use of wipeable covers for electronics. If no manufacturer guidance is available, consider the use of alcohol-based wipes or sprays containing at least 70% alcohol.
- 1.9. □ FOR DEPARTMENTS THAT HAVE PURCHASED/USING THE ELECTRONIC NEBULIZER/ATOMIZER: The use of electronic nebulizer using the approved OXY-IGENE solution, SHALL BE by trained persons and should be the

COVID-19 POSITIVE AREAS SANITIZATION CHECKLIST

last step in the sanitation process. Ensure only the minimum number of cleaners required are in the space. Ensure that full PPE are worn: FFP2 (or FFP3) masks, eye/facial protection (for splashing protection), disposable gloves, disposable waterproof gowns with long sleeves (in accordance with Italian Ministry of Health Circular number 5443 dated 22 February 2020). Unscrew the sprayer casing from the tank and fill the nebulizer tank with appropriate amount of product (follow the user's manual), and screw the case back securely. With all windows closed, and all other persons out of the space to be sanitized, begin in the farthest back corner from the intended exit, walking backwards, keep all other persons behind the aerosol and areas being sprayed. Holding the machine by its handle, start spraying, adjusting the metering valve that governs the spray intensity. The minimum will dispense a lighter mist suitable for small areas where the max value will create a greater mist (fog-like) intended for larger areas or when areas will not be occupied for extended period of time. Spray the area in sweeping motion and very briefly, as the mist will adequately reach the target areas quickly. Never spray directly at walls, furniture, and flooring, **NEVER** spray at a person. Let the area stand for a minimum of 30 minutes before being occupied. Supervisor's must ensure a set time is enforced.

1.10. ☐ Document the sanitation using the attached Memorandum (what areas were sanitized (building; room(s); zones; location); why the sanitation was required, date notified of the COVID-19 positive; and when the area was allowed to be re-occupied). Provide a copy of the memorandum to the EOC and Base Safety. POC for the local sanitization contract is: CARCATELLA, Espedito; at email:

E.CARCATELLA@ALCA-FSS.COM, or CELL: 342.094.7453

ENCLOSURES:

- 1- Cleaning and Disinfection Guidance 8 Mar 2020
- 2- Sanitization Memorandum
- 3- Proper use of Automizer Nebulizer
- 4- List N Disinfectant Results Table
- 5- List N Tool COVID-19 Sanitation/Disinfectants (EPA Approved)

Cleaning & Disinfection Recommendations

Coronaviruses, due to its cellular structure, are one of the easiest types of viruses to kill. Using the correct disinfectant in an important part of preventing and reducing the spread of illnesses. Regardless of the product used, pay close attention to the contact time. This is the amount of time the product must remain WET on the surface to be effective. Contact times may vary per manufacturer and product; this information can be found on the back of the product container or on the manufacturer's website. If the product evaporates prior to the recommended time, apply more product.

Typical household cleaners should be sufficient to kill the virus. Examples of household disinfectants are listed below. A more exhaustive list of products can be found at https://www.cdc.gov/coronavirus/2019-ncov/community/home/cleaning-disinfection.html.

Examples of EPA-Registered Household Disinfectants							
Clorox Disinfecting Wipes	Lysol Clean & Fresh Multi-Surface Cleaner						
Clorox Disinfection Spray	Lysol Disinfectant Max Cover-Mist						
Clorox Multi-Surface Cleaner + Bleach	Lysol Heavy-Duty Cleaner Disinfectant						
	Concentrate						
Clorox Commercial Solutions®	Klercide 70/30						
CloroxPro™ Clorox Germicidal Bleach	Lonza Formulation						
Oxycide Daily Disinfectant Cleaner	Peak Disinfectant Wipes						
Peroxide Disinfectant and Glass Cleaner	Purell Professional Surface Disinfectant						
	Wipes						
Sani-Prime Germicidal Disposable Wipe	Sani-Prime Germicidal Spray						

Additionally, a bleach solution can be made with regular, unscented bleach. Mix 1/3 cup of bleach with 1 gallon of water. Bleach solutions applied to non-porous surfaces require 10 minutes of contact time to be effective. * When using bleach be sure to have open doors and windows; Never mix with ammonia or any other cleaner *

Surfaces that are visibly soiled should be cleaned with soap and water prior to disinfecting.

Wash hands thoroughly after disinfecting to prevent skin breakdown.

Common high touch areas that should be cleaned frequently are identified in the tables below.

Home, Office, and Conference Room High Touch Areas Clean Twice Daily							
Door handles/knobs	Table and Desktops						
Light switches	Cabinet surfaces and handles						
Telephone (receiver, receiver cradle, dial	Window handles						
pad, other buttons)							
Computer keyboards & mouse	Remote controls						
Arm chair arm rests	VTC Touch screens						
Dry erase markers							

Bathroom High Touch Areas							
Clean Twice Daily							
Door handles/knobs	Cubicle handles/knobs						
Sink/faucet and sink counter	Soap & Paper towel dispensers						
Toilet Flusher	Hand rails						
Toilet paper dispenser							

Sources: https://www.cdc.gov/coronavirus/2019-ncov/community/home/cleaning-disinfection.html; https://www.epa.gov/sites/production/files/2020-03/documents/sars-cov-2-list 03-03-2020.pdf

SANITIZATION MEMORANDUM

DATE:
LOCATION SANITIZED:
EQUIPMENT USED
FOR SANITIZATION:
TYPE OF TREATMENT: PRODUCT(S) USED:
The undersigned certifies according to the legislative provisions that on sanitization treatment was performed in the spaces indicated above. The undersigned also certifies that for the performance of the service, the personnel were trained and equipped with the required PPE in compliance with the Legislative Decree 81/08 provisions and the NSA Naples Safety Office guidelines for sanitization of COVID Positive spaces. The products used are in compliance with EPA/CDC/and health ministerial registration effective to contrast and to contain the spread of the COVID-19 virus.

PROPER USE OF NEBULIZER (AUTOMIZER)

<u>SOP</u>

- 1. BEFORE USING THE MACHINE READ THE INSTRUCTION MANUAL, GET FAMILIAR WITH THE POSITION OF CONTROLS AND MAKE SURE YOU CAN IMMEDIATELY SWITCH OFF THE MACHINE IN CASE OF AN EMERGENCY.
- 2. DO NOT ALLOW PERSONS OR ANIMALS TO STAND NEARBY WHILE YOU ARE USING THE MACHINE. THE MACHINE IS INTENDED TO BE TO BE USED CONNECTED TO AN AC POWER GRID (230 V 50Hz). NEVER ATTEMPT TO CONNECT TO AN ALTERNATE POWER SOURCE.
- 3. INSPECT THE AUTOMIZER FOR DAMAGES (BODY AND POWER CORD) PRIOR THE USE
- 4. FILL THE RESERVOIR UP WITH PROPER/APPROVED CHEMICAL (OXY-IGIEN BY ZEP ITALIA)
- 5. USE PROPER PPE FOR RESERVOIR REFILL (NITRILE GLOVES; CHEMICAL RESISTANT GOGGLES; MASK/FACE COVERING)
- 6. THE AREAS TO BE TREATED/NEBULIZED SHALL NOT BE OCCUPIED
- 7. START THE NEBULIZATION MAKING SURE TO NOT POINT THE AUTOMIZER NOSE TOWARD PERSONNEL
- 8. START SPRAYING FROM THE MOST REMOTE CORNER OF THE OFFICE PROCEEDING BACKWARD TOWARD THE EXIT/ENTRANCE (UP TO SIX FEET FROM WALLS/SOLID OBJECTS)

 ** DO NOT SET THE AUTOMIZER IN ONE LOCATION CONTINUOUSLY RUNNING UNATTENDED.**

- 9. ONCE FINISHED NEBULIZING HAVE THE PRODUCT SETTLE FOR ABOUT 15 MINUTES. TREATED SURFACES (WALLS, DESKS, CHAIRS, KEYBOARDS, FLOORS, ETC) DON'T REQUIRE TO BE RINSED, (ONLY WIPED AFTER THE TREATMENT IF THERE ARE PUDDLES)
- 10. ONCE THE 15 MINUTES ELAPSED, THE AREA CAN BE RE-OCCUPIED
- 11. IT IS RECOMMENDED TO TREAT THE AREAS WITH THE AUTOMIZER ONCE A WEEK AT THE END OF WORKSHIFTS
- 12. PROPERLY STORE THE AUTOMIZER AFTER EACH USE.

NOTE: AGAIN THE AUTOMIZER TREATMENT DOES NOT REPLACE THE REGULAR DAILY/SCHEDULED WORKSPACE CLEANING.

List N Sanitation/Disinfection Results Table - Explore

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
10324-105	Quaternary ammonium	Maquat 128-PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-108	Quaternary ammonium	Maquat 256-MN	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-112	Quaternary ammonium	Maquat 128-MN	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-113	Quaternary ammonium	Maquat 64-MN	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-114	Quaternary ammonium	Maquat 32-MN	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-115	Quaternary ammonium	Maquat 750-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-140	Quaternary ammonium	Maquat MQ2525M-CPV	Mason Chemical	Human coronavirus	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
			Company				(HN); Food Contact Post- Rinse Required (FCR)	Residential	
10324-142	Quaternary ammonium	Maquat MQ2525M-14	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-156	Quaternary ammonium	Maquat 512- NHQ	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-164	Quaternary ammonium	Maquat 256-PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-166	Quaternary ammonium	Maquat 32	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-167	Quaternary ammonium	Maquat 32-PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-177	Quaternary ammonium	Maquat 705-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	No
10324-194	Quaternary ammonium	Maquat 2420-10	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
10324-198	Quaternary ammonium	Maquat 702.5-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	No
10324-230	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Maguard 1522	Mason Chemical Company	Human coronavirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-57	Quaternary ammonium	Maquat 42	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-58	Quaternary ammonium	Maquat 128	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-59	Quaternary ammonium	Maquat 64	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-63	Quaternary ammonium	Maquat 10	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-71	Quaternary ammonium	Maquat 280	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-72	Quaternary ammonium	Maquat 615-HD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-80	Quaternary ammonium	Maquat 5.5-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
10324-93	Quaternary ammonium	Maquat 64-PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10324-94	Quaternary ammonium	Maquat 20-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-96	Quaternary ammonium	Maquat 50-DS	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
10324-99	Quaternary ammonium	Maquat 10-PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
1672-67	Sodium hypochlorite	Austin's A-1 Concentrated Bleach 8.25%	James Austin Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
1677-204	Octanoic acid	65 Disinfecting Heavy Duty Acid Bathroom Cleaner	Ecolab Inc	Human coronavirus	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No
1839-214	Quaternary ammonium	SC-NDC-256	Stepan Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
1839-216	Quaternary ammonium	SC-NDC-64	Stepan Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
							Contact Post- Rinse Required (FCR)		
1839-78	Quaternary ammonium	NP 3.2 Detergent/ disinfectant	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
1839-79	Quaternary ammonium	NP 4.5 Detergent/ disinfectant	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
1839-81	Quaternary ammonium	NP 9.0 Detergent/ disinfectant	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
3862-191	Quaternary ammonium	Assure	ABC Compounding Co Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
54289-4	Peroxyacetic acid (Peracetic acid)	Peraclean 15 (Peroxyacetic Acid Solution)	Evonik Corporation	Human coronavirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No
5813-103	Sodium hypochlorite	CGB3	The Clorox Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
5813-104	Sodium hypochlorite	CGB4	The Clorox Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
5813-122	Sodium hypochlorite	Clorox Splash- Less Bleach1	The Clorox Company	Human coronavirus	6	Dilutable	Hard Nonporous (HN)	Institutional; Residential	No
5813-50	Sodium hypochlorite	Ultra Clorox Brand Regular Bleach	The Clorox Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
61178-5	Quaternary ammonium	CCX-151	Microgen Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
6198-4	Quaternary ammonium	Q. A. Concentrated Solution	National Chemicals Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
67619-28	Sodium hypochlorite	Milo	Clorox Professional Products Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
67619-8	Sodium hypochlorite	CPPC Ultra Bleach 2	Clorox Professional Products Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
70299-19	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Sanidate 5.0	BioSafe Systems LLC	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No
70299-27	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	SaniDate All Purpose Disinfectant	BioSafe Systems LLC	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
70627-15	Quaternary ammonium	Warrior	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional	No
70627-23	Quaternary ammonium	Virex II/ 64	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional	No
70627-6	Phenolic	Phenolic Disinfectant HG	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional	No
70627-63	Quaternary ammonium	512 Sanitizer	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No
74559-6	Hydrogen peroxide	Oxy-res (Concentrate)	Virox Technologies Inc	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
777-82	Quaternary ammonium	Lysol Brand Deodorizing Disinfectant Cleaner	Reckitt Benckiser LLC	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	No
88494-1	Quaternary ammonium; Ethanol (Ethyl alcohol)	Wedge Disinfectant	North American Infection Control LTD	Human coronavirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
90287-1	Quaternary ammonium	Maquat 25.6- PDX	VI-JON INC	Human coronavirus	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
							(HN)	Residential	
954-11	Quaternary ammonium	Barbicide	King Research Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No
5813-86	Glycolic acid	CBW	The Clorox Company	Human coronavirus	10	Impregnated materials	Hard Nonporous (HN)	Residential	No
9402-15	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Victor Spray	Kimberly-Clark Global Sales LLC	Human coronavirus	5	Pressurized liquid	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
10492-5	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Discide Ultra Disinfecting Spray	Palmero Healthcare LLC	Human coronavirus	0.5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
11346-4	Quaternary ammonium	Clorox QS	The Clorox Company	Human coronavirus	2	Ready-to-use	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Residential	No
1677-241	Sodium hypochlorite	Hydris	Ecolab Inc	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	No
4091-23	Sodium hypochlorite; Sodium carbonate	Mold Armor Formula 400	W.M. Barr & Company Inc	Human coronavirus	0.5	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	No
42964-17	Quaternary ammonium; Ethanol (Ethyl alcohol)	Asepticare	Airkem professional products	Human coronavirus	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
46781-6	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Cavicide	Metrex Research	Human coronavirus	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
4822-606	L-Lactic acid	Fangio	S.C. Johnson & Son Inc	Human coronavirus	10	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	No
4822-607	Quaternary ammonium	Lauda	S.C. Johnson & Son Inc	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Institutional; Residential	No
4822-608	L-Lactic acid	Gurney	S.C. Johnson & Son Inc	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	No
4822-609	Quaternary ammonium	Stewart	S.C. Johnson & Son Inc	Human coronavirus	3	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	No
498-134	Ethanol (Ethyl alcohol); Phenolic	Spraypak Spray Disinfectant Formula 2	Chase Products Co	Human coronavirus	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	No
56392-10	Sodium hypochlorite	Caltech Swat 200 9B	Clorox Professional Products Company	Human coronavirus	2	Ready-to-use	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional	No
5813-106	Sodium hypochlorite	AxI	The Clorox Company	Human coronavirus	1	Ready-to-use	Hard Nonporous (HN)	Residential	No
5813-98	Sodium hypochlorite	Lite	The Clorox Company	Human coronavirus	1	Ready-to-use	Hard Nonporous	Institutional; Residential	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
							(HN); Food Contact Post- Rinse Required (FCR)		
67619-11	Sodium hypochlorite	CPPC Shower	Clorox Professional Products Company	Human coronavirus	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
67619-13	Sodium hypochlorite	CPPC Storm	Clorox Professional Products Company	Human coronavirus	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
67619-27	Sodium hypochlorite	Buster	Clorox Professional Products Company	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
70590-2	Sodium hypochlorite	Bleach-rite Disinfecting Spray With Bleach	Current Technologies Inc	Human coronavirus	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	No
70627-2	Quaternary ammonium	Disinfectant D.C. 100	Diversey Inc	Human coronavirus	2	Ready-to-use	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional	No
70627-78	Hydrogen peroxide	Suretouch	Diversey Inc	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	No
74559-8	Hydrogen peroxide	Accel 5 RTU	Virox	Human	5	Ready-to-use	Hard	Healthcare;	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
			Technologies Inc	coronavirus			Nonporous (HN)	Institutional; Residential	
777-136	Ethanol (Ethyl alcohol)	Lysol Neutra Air® 2 in 1	Reckitt Benckiser LLC	Human coronavirus	0.5	Ready-to-use	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
89896-2	Hypochlorous acid	Cleansmart	Simple Science Limited	Human coronavirus	10	Ready-to-use	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	No
89900-1	Hydrogen peroxide	Nathan 2	S.C. Johnson Professional	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
91176-2	1,2-Hexanediol	PELS 422	The Gilla Company LLC	Human coronavirus	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	No
9402-14	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Hitman Spray	Kimberly-Clark Global Sales LLC	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	No
954-14	Quaternary ammonium	Barbicide RTU	King Research Inc	Human coronavirus	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	No
95747-1	Hypochlorous acid	Disinfexol	Disinfexol LLC	Human coronavirus	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	No
74986-5	Sodium chlorite	Selectrocide 5g	Selective Micro Technologies	Human coronavirus	10	Solid	Hard Nonporous	Healthcare; Institutional	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
			LLC				(HN)		
1839-190	Quaternary ammonium	Stepan Disinfectant Wipe	Stepan Company	Human coronavirus	10	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
5813-99	Sodium hypochlorite	Wave	The Clorox Company	Human coronavirus	1	Wipe	Hard Nonporous (HN)	Institutional; Residential	No
777-130	Quaternary ammonium	Caterpillar	Reckitt Benckiser LLC	Human coronavirus	2.5	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
777-139	Citric acid	T-bone	Reckitt Benckiser LLC	Human coronavirus	5	Wipe	Hard Nonporous (HN); Food Contact Post- Rinse Required (FCR)	Healthcare; Institutional; Residential	No
8383-14	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	PeridoxRTU (Brand) One-step Germicidal Wipes	Contec Inc	Human coronavirus	0.5	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	No
8383-7	Phenolic	Sporicidin (Brand) Disinfectant Towelettes	Contec Inc	Human coronavirus	5	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No
9402-17	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Hitman Wipe	Kimberly-Clark Global Sales LLC	Human coronavirus	6	Wipe	Hard Nonporous (HN)	Institutional; Residential	No
9480-5	Quaternary ammonium	Sani-cloth Germicidal Disposable Cloth	Professional Disposables International Inc	Human coronavirus	3	Wipe	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	No

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?
							Contact Post-		

Contact Post-Rinse Required (FCR)

Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Discide Ultra Disinfecting						Pathogen Claim?
	Discide Ultra Disinfecting					Healthcare;	
alcohol)						Institutional;	
	Spray	Palmero Healthcare LLC	0.5	Ready-to-use	Hard Nonporous (HN)	Residential	No
					Hard Nonporous (HN);		
					Food Contact Post-Rinse	Healthcare;	
Quaternary ammonium	Clorox QS	The Clorox Company	2	Ready-to-use	Required (FCR)	Residential	No
						Healthcare;	
Sodium hypochlorite	Hydris	Ecolab Inc	5	Ready-to-use	Hard Nonporous (HN)	Institutional	No
Sodium hypochlorite;						Institutional;	
Sodium carbonate	Mold Armor Formula 400	W.M. Barr & Company Inc	0.5	Ready-to-use	Hard Nonporous (HN)	Residential	No
						Healthcare;	
Quaternary ammonium;		Airkem professional				Institutional;	
Ethanol (Ethyl alcohol)	Asepticare	products	2	Ready-to-use	Hard Nonporous (HN)	Residential	No
		,		,		Healthcare;	
	Cavicide	Metrex Research	2	Ready-to-use	Hard Nonporous (HN)	•	No
4.00.10.1		Wietrex Heseuren	_	neddy to doc	ria. a rienpereus (riit)		
I-Lactic acid	Fangio	S.C. Johnson & Son Inc	10	Ready-to-use	Hard Nonporous (HN)	•	No
L Lactic acia	rangio	S.C. JOHNSON & SON INC	10	neddy to dae		Residential	140
						Institutional	
Quaternaryammenium	Lauda	S.C. Johnson & Son Inc	_	Boady to uso		•	No
Quaternary ammonium	Lauua	3.C. JUHISUH & 30H HIC	3	Ready-to-use	Required (FCR)		No
1.1	C	C.C. Jahanana Q.C. and Jan	_	Daniel da con	Head News are (UN)	•	NI-
L-Lactic acid	Gurney	S.C. Johnson & Son Inc	5	Ready-to-use	Hard Nonporous (HN)	+	No
•		S.C. Johnson & Son Inc	3	Ready-to-use	Hard Nonporous (HN)	+	No
Phenolic	Disinfectant Formula 2	Chase Products Co	10	Ready-to-use		Institutional	No
					' '		
							No
Sodium hypochlorite	AxI	The Clorox Company	1	Ready-to-use	Hard Nonporous (HN)	Residential	No
					Hard Nonporous (HN);		
					Food Contact Post-Rinse	Institutional;	
Sodium hypochlorite	Lite	The Clorox Company	1	Ready-to-use	Required (FCR)	Residential	No
					Hard Nonporous (HN);	Healthcare;	
		Clorox Professional			Food Contact Post-Rinse	Institutional;	
Sodium hypochlorite	CPPC Shower	Products Company	1	Ready-to-use	Required (FCR)	Residential	No
<u> </u>					Hard Nonporous (HN);	Healthcare;	
		Clorox Professional			Food Contact Post-Rinse	Institutional;	
Sodium hypochlorite	CPPC Storm	Products Company	1	Ready-to-use	Required (FCR)	Residential	No
					·	Healthcare;	
		Clorox Professional				Institutional;	
Sodium hypochlorite	Buster	Products Company	5	Ready-to-use	Hard Nonporous (HN)	Residential	No
,, , , , , , , , , , , , , , , , , , , ,		F - 1		,	,,		
Sodium hypochlorite	_	Current Technologies Inc	1	Ready-to-use	Hard Nonporous (HN)		No
, p = 3		and the state of t	†	,			 '
						Healthcare:	
Quaternary ammonium	Disinfectant D.C. 100	Diversey Inc	2	Ready-to-use			No
	Sodium hypochlorite; Sodium carbonate Quaternary ammonium; Ethanol (Ethyl alcohol) Quaternary ammonium; Isopropanol (Isopropyl alcohol) L-Lactic acid Quaternary ammonium L-Lactic acid Quaternary ammonium Ethanol (Ethyl alcohol); Phenolic Sodium hypochlorite Sodium hypochlorite Sodium hypochlorite	Sodium hypochlorite; Sodium carbonate Quaternary ammonium; Ethanol (Ethyl alcohol) Quaternary ammonium; Isopropanol (Isopropyl alcohol) L-Lactic acid Gurney Quaternary ammonium Lauda L-Lactic acid Gurney Quaternary ammonium Stewart Ethanol (Ethyl alcohol); Phenolic Sodium hypochlorite Sodium hypochlorite Sodium hypochlorite Sodium hypochlorite CPPC Shower Sodium hypochlorite	Sodium hypochlorite; Sodium carbonate Mold Armor Formula 400 Quaternary ammonium; Ethanol (Ethyl alcohol) Quaternary ammonium; Isopropanol (Isopropyl alcohol) L-Lactic acid Fangio Cavicide Metrex Research L-Lactic acid Fangio S.C. Johnson & Son Inc Quaternary ammonium Lauda S.C. Johnson & Son Inc L-Lactic acid Gurney S.C. Johnson & Son Inc Cuaternary ammonium Ethanol (Ethyl alcohol); Phenolic Spraypak Spray Disinfectant Formula 2 Clorox Professional Products Company Axl The Clorox Company Sodium hypochlorite Lite The Clorox Company Clorox Professional Products Company Bleach-rite Disinfecting Spray With Bleach Current Technologies Inc	Sodium hypochlorite; Sodium carbonate Mold Armor Formula 400 Quaternary ammonium; Ethanol (Ethyl alcohol) Quaternary ammonium; Isopropanol (Isopropyl alcohol) L-Lactic acid Fangio S.C. Johnson & Son Inc Quaternary ammonium Lauda S.C. Johnson & Son Inc Seraypak Spray Disinfectant Formula 2 Clorox Professional Products Company Clorox Company 1 Sodium hypochlorite Sodium hypochlorite CPPC Shower Clorox Professional Products Company 1 Clorox Professional Products Company 5 Sodium hypochlorite Buster Clorox Professional Products Company 5 Current Technologies Inc 1	Sodium hypochlorite; Sodium hypochlorite Sodium Sodium hypochlorite Sodium Sodi	Sodium hypochlorite; Sodium carbonate Mold Armor Formula 400 W.M. Barr & Company Inc O. S. Ready-to-use Hard Nonporous (HN) Arkem professional products 2 Ready-to-use Hard Nonporous (HN) Asepticare products Cavicide Metrex Research 2 Ready-to-use Hard Nonporous (HN) Bready-to-use Hard Nonporous (HN) Clorox Professional Clorox Professional Clorox Professional Clorox Company Disinfectant Formula 2 Clorox Professional Clorox Company Disinfectant Formula 2 Clorox Professional Products Company 1 Ready-to-use Required (FCR) Hard Nonporous (HN) Ha	Sodium hypochlorite; Sodium nypochlorite; Sodium nypochlorite; Sodium nypochlorite Sodium nypochlorite Sodium hypochlorite Sod

						Healthcare;	
70627-78	Hydrogen peroxide	Suretouch	Diversey Inc	5 Ready-to-use	Hard Nonporous (HN)	Institutional	No
						Healthcare;	
						Institutional;	
74559-8	Hydrogen peroxide	Accel 5 RTU	Virox Technologies Inc	5 Ready-to-use	Hard Nonporous (HN)	Residential	No
					Hard Nonporous (HN);	Healthcare;	
					Food Contact Post-Rinse	Institutional;	
777-136	Ethanol (Ethyl alcohol)	Lysol Neutra Air® 2 in 1	Reckitt Benckiser LLC	0.5 Ready-to-use	Required (FCR)	Residential	No
					Hard Nonporous (HN);	Healthcare;	
					Food Contact No Rinse	Institutional;	
89896-2	Hypochlorous acid	Cleansmart	Simple Science Limited	10 Ready-to-use	(FCNR)	Residential	No
						Healthcare;	
						Institutional;	
89900-1	Hydrogen peroxide	Nathan 2	S.C. Johnson Professional	5 Ready-to-use	Hard Nonporous (HN)	Residential	No
						Healthcare;	
91176-2	1,2-Hexanediol	PELS 422	The Gilla Company LLC	10 Ready-to-use	Hard Nonporous (HN)	Institutional	No
	Hydrogen peroxide;						
	Ammonium carbonate;		Kimberly-Clark Global Sales			Institutional;	
9402-14	Ammonium bicarbonate	Hitman Spray	LLC	5 Ready-to-use	Hard Nonporous (HN)	Residential	No
						Healthcare;	
954-14	Quaternary ammonium	Barbicide RTU	King Research Inc	10 Ready-to-use	Hard Nonporous (HN)	Institutional	No
						Healthcare;	
95747-1	Hypochlorous acid	Disinfexol	Disinfexol LLC	5 Ready-to-use	Hard Nonporous (HN)	Institutional	No