STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

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Guidance for School Systems for the Operation of Central and non-Central Ventilation Systems during the COVID-19 Pandemic

Improving ventilation in school buildings is just one part of system of procedures that will safeguard the health and safety of students, teachers, and school staff during the COVID-19 pandemic. Other parts of this system of procedures include physical distancing, face coverings, and efficient identification and isolation of sick students and staff. While improving ventilation is not necessarily the most effective tool for reducing transmission of the virus that causes COVID-19 (maintaining social distancing and wearing face coverings are far more effective), some studies suggest that adjustments and attention to proper ventilation can reduce the viable virus load in indoor spaces. In addition, we know that providing good ventilation in schools is important even outside of the COVID-19 pandemic, because it has been shown to improve student and staff performance in educational settings.

This guidance provides actions schools should take to ensure that their ventilation systems are performing optimally. The goal is not for schools to invest in costly upgrades and add-ons to existing mechanical systems. Rather, schools should understand what their current mechanical systems are capable of and how they can adjust the function of those systems to optimize their capabilities.

Before School Opens:

1. Commission building mechanical systems for full occupancy (see details below for tips about how and why to commission mechanical systems for fall start-up).
2. Operate all ventilation systems at full capacity for one (1) week prior to the reopening of school buildings.
3. Discuss with the entire facilities team and school administrators the general principles about what changes are planned to the usual ventilation system operation for the coming year. It will be important to communicate with school staff the importance of not making any adjustments to the mechanical systems inside school buildings (thermostats, fan speeds, etc.) without input from the facilities team.

Version date: June 22, 2020

After School Opens:

1. Flush the air inside the building for a minimum of two (2) hours prior to occupancy and one (1) hour after occupancy (after the night-shift custodians leave), with the dampers open as fully as possible (i.e. to maximize fresh air intake) during this flushing period.

2. Program and lock fan schedules to align with the building occupancy schedule (i.e. provide flushing ventilation starting two (2) hours before building occupancy and one (1) hour post occupancy).

3. Develop a system for building users to notify the facilities department if the building needs to be open longer than usual so that the fan schedule can be altered for that day.

4. Keep the ventilation system running during all hours that the building is occupied.

5. Do not allow teachers or other staff to make changes to ventilation system controls in their respective rooms. Explain to them the importance of keeping fans running all day. If temperature, noise, or other issues exist in certain areas, encourage staff to discuss the problem with the facilities department to try to identify a suitable fix that does not negatively impact ventilation.

6. Keep bathroom exhaust systems running all day, every day (24 hours a day/7 days a week).

7. For isolation rooms to be used for holding sick students prior to dismissal, consider adding supplemental filtration, such as a portable air cleaner. This is particularly important if the ventilation serving those rooms cannot be run at 100% exhaust at all times. If a portable air cleaner is used, it should:

    - Contain HEPA filters only without ionizers, ozone generators, UV light, or other add-ons.
    - Be correctly sized for the space, with an appropriate CADR (clean air delivery rate).
    - Be located for greatest efficiency within the space.
    - Be turned on at all times that the space is occupied.

8. Develop a specific plan for performing routine inspections and maintenance of mechanical systems, as specified in the commissioning process.

9. For buildings without central ventilation systems or with certain areas not served by the central ventilation system, there are other important design considerations facility managers should be aware of, and in control of, in order to maximize available dilution ventilation and minimize the spread of virus particles inside their facilities.

- At a minimum, where temperature allows and no other means of ventilation is available, windows should be opened to allow for some minimum level of fresh air exchange into occupied spaces.
- Window air conditioning units should be adjusted to maximize fresh air intake into the system. Air conditioner blower fans should be set on low speed and pointed away from room occupants to the extent possible.
- Ceiling fans should be adjusted so that fins are rotating in a direction that draws air up toward the ceiling rather than down onto occupants.
- Window fans should be turned to exhaust air out of the window in the direction of the outdoors. Ensure that fans are not blowing out of windows directly into walking paths or areas where individuals may congregate.
- Window fans that blow air into a room or free-standing fans that only serve to circulate existing air around a room should not be used.
- In addition, we do not recommend separate, free-standing air cleaner or HEPA filter units for individual classrooms. These units are highly variable in their effectiveness in larger open spaces such as classrooms and in general, any effect on indoor air quality is likely insignificant and greatly outweighed by the additional costs to school systems.

How to Commission Building Mechanical Systems for fall school reopening

1. If your school system does not already have one that it routinely works with, hire a mechanical engineering firm with a proven track record in evaluating, adjusting, and balancing ventilation systems, particularly ventilation systems in school buildings, to commission all of the buildings' mechanical systems for full occupancy. The school facilities manager should be part of the discussion team talking with the engineering firm and the commissioning agent.

   Consider asking your Commissioning Agent the following questions:

   - How many and what types of systems serve your buildings, and which area of the building does each separate system serve?
   - What are the capabilities of the systems present in your school buildings?
   - Are the systems currently working to their full capabilities?
   - Are the current systems' capabilities enough to satisfy full capacity for how the buildings need to operate now?
   - Can demand-based systems be converted to constant volume until cooling season is over (if systems provide central cooling)? During heating season? Longer-term?

- Can recirculation of air be suspended (economizers disabled)?
- Can they provide a summary of performance expectations for mechanical systems in the building?

2. Include the following items in the commissioning process:

   - A complete set of measurements to understand total air distribution throughout the building.
   - Inspection and evaluation of all building ventilation systems, both automated and manual.
   - Air balancing and appropriate retesting to ensure parameters that satisfy the conditions of full occupancy of the buildings.
   - Inspections:
     - Filter frames - Decide what kind of filter thickness and type you will be using if you decide to upgrade to a higher-rated filter. Discuss this with your ventilation engineering firm. Either way, all filter frames will need to be inspected. Replace or fix all bent, broken, misshapen frames to prevent air from by-passing the filter.
     - Dampers and all associated controllers and actuators need to be visually inspected. Do not rely only on looking at a computer screen if you have an automated building system.
     - Inspect, verify, and modify automated set points, if needed. Discuss both temperature and CO_2 set points in newer buildings that utilize these variables for automated decision-making.
     - Locations of supply and return diffusers. Look at ventilation effectiveness and whether short-circuiting is occurring. This happens frequently when supply and return diffusers are too close to each other. Discuss the possibility of moving them farther apart if this is occurring. If supplies and returns are ducted using flex duct and the room has a suspended ceiling, relocating can be performed more easily.

   - Air balancing, inspections, and other work should be performed in accordance with one of these certification bodies: NEBB (https://www.nebb.org/); TABB (https://www.tabbcertified.org/); AABC (https://www.aabc.com/)

3. Strive toward the following ventilation goals.

   - Increase outdoor air ventilation as much as possible by disabling demand-controlled ventilation systems and opening outdoor air dampers to 100%, as indoor and outdoor conditions permit. Disabling demand-based systems will allow fans to run continuously.
   - Tune ventilation systems to enable them to perform to the maximum capacity consistent with full occupancy conditions for the building.

- Bypass energy recovery ventilation systems that leak or recirculate potentially contaminated exhaust air back into the outdoor air supply.
- Once fans are running continuously, provide increased particle capture by increasing air filtering capacity through repair/upgrades to current system, where needed. This includes filter frames, filter configuration, and filter rating (ASHRAE recommends striving for filters with a MERV-13 rating where possible).

Why it is Important to Commission Building Mechanical Systems

1. Commissioning verifies that existing equipment is working properly. Adjustments can then be made to allow current systems to operate to the best of their ability.
2. Adjusting mechanical systems to satisfy full building occupancy, even if buildings will have reduced occupancy in the fall, will result in increased ventilation per person without over-taxing the equipment and potentially causing premature equipment failure.
3. Commissioning reduces the likelihood of unintended consequences of making changes to how systems operate.
4. If one or more of the systems are deemed to be inadequate, commissioning will provide the basis for making informed and intelligent decisions about next steps to improve those systems.
5. The cost for commissioning is money well spent because it will prevent building operators from spending money on things that add little value and instead, help them focus attention on things that will make a real difference.

Additional resources:

- AICARR- Decision Tree: Protocol for risk reduction of SARS-CoV2-19 Diffusion With the Aid of Existing Air Conditioning and Ventilation Systems
- Air filtration and COVID-19: Indoor air quality expert explains how to keep you and your building safe: Interview with Professor Jeffrey Seigel, University of Toronto
- The Path to COVID-19 Recovery: How To Improve Indoor Air Quality When Re- Opening K-12 Schools. Univ Calif Davis.

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Version date: June 22, 2020

Routine Schedule for Cleaning, Sanitizing, and Disinfecting

Areas	Before Each Use	After Each Use	Daily (At the End of the Day)	Weekly	Monthly	Comments
Food Areas						
• Food preparation surfaces	Clean, Sanitize	Clean, Sanitize				Use a sanitizer safe for food contact
• Eating utensils & dishes		Clean, Sanitize				If washing the dishes and utensils by hand, use a sanitizer safe for food contact as the final step in the process; Use of an automated dishwasher will sanitize
• Tables & highchair trays	Clean, Sanitize	Clean, Sanitize				
• Countertops		Clean	Clean, Sanitize			Use a sanitizer safe for food contact
• Food preparation appliances		Clean	Clean, Sanitize			
• Mixed use tables	Clean, Sanitize					Before serving food
• Refrigerator					Clean	
Child Care Areas						
• lasti out ed to s		Clean	Clean, Sanitize			
• a ifiers		Clean	Clean, Sanitize			Reserve for use b onl one ild se dis as er or boil for one inute
• ats			Clean			Clean after ea use if ead li e resent
• oor abinet andles			Clean, isinfe t			

• Floors			Clean			S eep or acuu , t en da p op, consider icro fi er da p op to pic up ost particles
• ac ine as a le clot toys				Clean		aunder
• ress up clot es				Clean		aunder
• la a tivit enters				Clean		
• rin ing ountains			Clean, isinfe t			
• Co uter e boards		Clean, Sanitize				se sanitizing i es, do not use s ra
• one re eivers			Clean			
Toilet & Diapering Areas						
• C anging tables		Clean, isinfe t				Clean it detergent, rinse, disinfe t
• ott airs		Clean, isinfe t				
• and as ing sin s fau ets			Clean, isinfe t			
• Counterto s			Clean, isinfe t			
• oilets			Clean, isinfe t			
• ia er ails			Clean, isinfe t			
• loors			Clean, isinfe t			a o it a floor leaner disinfe tant
Sleeping Areas						
• Bed s eets illo ases				Clean		Clean before use b anot er ild
• Cribs, ots, ats				Clean		Clean before use b anot er ild
• Blan ets					Clean	

SAFETY DATA SHEET

1. Identification

Product identifier BRUTAB 6S

Other means of identification

Product number 161037 / 161021 / 161034

Recommended use Effervescent disinfectant tablets

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Brulin & Co., Inc.
Address P.O. Box 270
Indianapolis, IN 46206
United States
Telephone Phone: 1.317.923.3211
Fax: 1.317.925.4596
Website www.bhcinc.com
E-mail

Emergency phone number

CHEMTREC	1.800.424.9300
CHEMTREC (International)	1.703.527.3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Acute toxicity, oral	Category 4
Acute toxicity, dermal	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation.

Precautionary statement

Prevention Use only in well-ventilated areas. Avoid breathing dust. Wear safety glasses with side shields (or goggles). Wear protective gloves. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.

Storage Store in a well-ventilated place. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children. Avoid moisture getting into container.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Contact with acids liberates toxic gas.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	% by weight
Dichloroisocyanuric acid, sodium salt		2893-78-9	45 - <50
Adipic acid		124-04-9	35 - <40
Sodium carbonate		497-19-8	10 - <15

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In the event of fire, cool tanks with water spray.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Collect spillage. Sweep up or gather material and place in appropriate container for disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Do not contaminate water.

7. Handling and storage

Precautions for safe handling
Mix only with water. Do not mix with other chemicals. Minimize dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Do not taste or swallow. Provide adequate ventilation. Contamination with moisture, dirt, organic matter or other chemicals or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Keep container dry. Do not store near acids. Contact with acids liberates toxic gas. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Adipic acid (CAS 124-04-9)	TWA	5 mg/m3

Appropriate engineering controls
Keep formation of dusts, particulates and fumes to a minimum. Ensure adequate ventilation, especially in confined areas. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection
If a risk assessment indicates this is necessary, safety glasses with side shields (or goggles) are recommended.

Skin protection

Hand protection
If a risk assessment indicates this is necessary, chemical resistant gloves are recommended.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations
When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	tablet
Physical state	Solid.
Color	white - off white
Odor	slight chlorine
Odor threshold	Not available.
pH	5.5 - 6.5 when diluted
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not Applicable
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.

Solubility(ies)	
Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
VOC	0 % Less exempts and water

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Acids. Alkaline Combustible material. reducing agents The active ingredient in this formulation is a strong oxidizing agent.
Hazardous decomposition products	Chlorine.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. This material is contained in a tablet form, respirable particulates are generally not encountered.
Skin contact	Direct contact with wet material or moist skin may cause severe irritation. Dry material is less irritating than wet material.
Eye contact	Causes serious eye irritation. Dust in the eyes will cause irritation.
Ingestion	Harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. This product is sold in a tablet form.
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Product	Species	Test Results
BRUTAB 6S		
Acute		
Dermal		
LD50	Rabbit	> 4000 mg/kg
Oral		
LD50	Rat	1823 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Health injuries are not known or expected under normal use. Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Respiratory tract irritation. May cause respiratory irritation.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Persistence and degradability The materials used in this preparation will not persist in the environment. Hydrolysis products of cyanuric acid and chloride ion are biodegradable.

Bioaccumulative potential This material does not contain chemicals that have known bioaccumulative potential. Trichloroisocyanuric acid hydrolyses in water liberating chlorine and cyanuric acid. These products are not bioaccumulative.

Partition coefficient n-octanol / water (log Kow)

Adipic acid	0.08

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Pesticide may be acutely hazardous. Wastes resulting from the use of this product must be disposed of on-site, or at an approved waste disposal facility.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose in a sanitary landfill.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Adipic acid (CAS 124-04-9) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

CERCLA (Superfund) reportable quantity, lbs

Adipic acid: 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

FIFRA Information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: EPA Reg# 71847-6

Signal word DANGER

Hazard statement

CORROSIVE
Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	04-22-2014
Revision date	01-15-2018
Version #	09
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

List N: Products with Emerging Viral Pathogens AND Human Coronavirus claims for use against SARS-CoV-2
Date Accessed: 07/27/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
9480-16	Hydrogen peroxide	Project Flash Wipes	Professional Disposables International Inc	1	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Rotavirus; Rhinovirus; Feline calicivirus	07/23/2020
93324-1	Hydrogen peroxide	CURoxide™	Curis System LLC	30	Fog; Mist; Refer to the CURIS® User Manual	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Clostridioides difficile	07/23/2020
62472-1	Quaternary ammonium	KennelSol	Alpha Tech Pet Inc	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19);	Feline picornavirus	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								Emerging viral pathogen claim		
498-134	Ethanol (Ethyl alcohol); Phenolic	Spraypak Spray Disinfectant Formula 2	Chase Products Co	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
498-194	Ethanol (Ethyl alcohol); Phenolic	Spraypak Spray Disinfectant/ Lubricant	Chase Products Co	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
675-1	Hydrochloric acid	Vani-Sol Bowl Cleanse	Reckitt Benckiser LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
954-10	Isopropanol (Isopropyl alcohol); Phenolic	Clippercide Spray	King Research Inc	10	Ready-to-use	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
1043-92	Phenolic	LpH® se	Steris Corporation	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
1043-124	Hydrogen peroxide	HASTe-SSD-Component B	Steris Corporation	1	Dilutable	Hard Nonporous (HN)	Healthcare	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
1043-125	Tetraacetyl ethylenediamine	HASTe-SSD-Component A	Steris Corporation	1	Dilutable	Hard Nonporous (HN)	Healthcare	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
1839-223	Quaternary ammonium	SCTB Wipe	Stepan Company	5	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
3862-104	Phenolic	Hospital Surface Disinfectant and Deodorizer	ABC Compounding Co Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-	Mycobacterium bovis	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								CoV-2 (COVID-19)		
3862-177	Phenolic	Tek-Trol Disinfectant Cleaner Concentrate	ABC Compounding Co Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
5741-22	Ethanol (Ethyl alcohol); Phenolic	Steripene II Brand Disinfectant Deodorant	Spartan Chemical Company Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
5813-1	Sodium hypochlorite	Clorox Bleach	The Clorox Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
5813-20	Sodium hypochlorite	Fresh Scent Clorox	The Clorox Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
8714-8	Sodium chlorite	Clidox-S® Base	Pharmacal Research	5	Dilutable	Hard Nonporous	Healthcare	Kills a harder-to-	Mycobacterium bovis	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
			Laboratories Inc			(HN)		kill pathogen than SARS-CoV-2 (COVID-19)		
9150-11	Chlorine dioxide; Quaternary ammonium	Cryocide™ 20	International Dioxcide Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
10807-177	Ethanol (Ethyl alcohol); Phenolic	Misty II Disinfectant & Deodorant	Amrep Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
33176-5	Quaternary ammonium; Ethanol (Ethyl alcohol); Phenolic	Airysol Brand Surface Disinfectant	Amrep Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
33176-6	Phenolic	Airysol Brand Multi-Purpose Disinfectant Cleaner	Amrep Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
46781-8	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Caviwipes	Metrex Research	3	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
46851-1	Phenolic	Omni II	Certol International LLC	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
46851-5	Phenolic	OMC II Spray	Certol International LLC	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
52252-7	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Minncare Cold Sterilant	Medivators Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Tuberculocidal	07/23/2020
59894-10	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Kwikkill Disinfectant Deodorizing Cleaning Wipes	M & S Research Inc	2	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-	Mycobacterium tuberculosis	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Required (FCR)		CoV-2 (COVID-19)		
62296-1	Phenolic	Let's Touch	RBR Productions Inc	10	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Tuberculocidal	07/23/2020
65787-1	Sodium hypochlorite	Amuchina	Angelini Pharma Inc	25	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Tuberculocidal	07/23/2020
67603-4	Quaternary ammonium; Ethanol (Ethyl alcohol)	Spray Disinfectant	Sherwin Williams Diversified Brands	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
67619-1	Sodium hypochlorite	CPPC Bleach	Clorox Professional Products Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
69151-1	Sodium chlorite	Parox Hospital	Paroxmed LLC	5	Dilutable	Hard Nonporous	Healthcare	Kills a harder-to-	Mycobacterium tuberculosis	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Disinfectant				(HN)		kill pathogen than SARS-CoV-2 (COVID-19)		
84545-4	Silver	Peradox HC Solution Part A	Sbiomed LLC	15	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
84545-5	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Peradox HC Activator Solution Part B	Sbiomed LLC	15	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
84683-1	Thymol	Benefect Broad Spectrum Disinfectant	Cleanwell LLC	5	Ready-to-use	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020
84683-5	Thymol	Clean Well Broad Spectrum Disinfectan	Cleanwell LLC	5	Ready-to-use	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Mycobacterium bovis	07/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
62472-2	Quaternary ammonium	Kennelsol HC	Alpha Tech Pet Inc	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline picornavirus	07/23/2020
10324-214	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Maguard 5626	Mason Chemical Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	07/23/2020
777-114	Quaternary ammonium	Lysol® Disinfecting Wipes (All Scents)	Reckitt Benckiser LLC	2	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	SARS-CoV-2	07/23/2020
84150-4	Ethanol (Ethyl alcohol)	Charleston	GOJO Industries Inc	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN); Food Contact	Healthcare; Institutional; Residential	Kills a human coronavirus similar	Human coronavirus	07/15/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						No Rinse (FCNR)		SARS-CoV-2 (COVID-19)		
70299-19	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Sanidate 5.0	BioSafe Systems LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	07/09/2020
61178-1	Quaternary ammonium	D-125	Microgen Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Porcine rotavirus	07/09/2020
777-127	Quaternary ammonium; Ethanol (Ethyl alcohol)	Lysol® Disinfectant Max Cover Mist	Reckitt Benckiser LLC	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	SARS-CoV-2	07/06/2020
777-99	Quaternary ammonium; Ethanol (Ethyl alcohol)	Lysol® Disinfectant Spray	Reckitt Benckiser LLC	2	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse	Healthcare; Institutional; Residential	Kills SARS-CoV-2 (COVID-19); Emerging viral	SARS-CoV-2	07/06/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Required (FCR)		pathogen claim		
777-71	Quaternary ammonium	Lysol® Brand Foaming Disinfectant Basin Tub & Tile Cleaner II	Reckitt Benckiser LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Norovirus	07/01/2020
10324-141	Quaternary ammonium	Maquat 256-NHQ	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline picornavirus	06/24/2020
10324-154	Quaternary ammonium	Maquat 64-NHQ	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral	Feline picornavirus	06/24/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen claim		
72977-5	Silver ion; Citric acid	Sdc3a	ETI H2O Inc	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus; Norovirus	06/24/2020
92589-1	Potassium peroxymonosulfate; Sodium chloride	BioBuster	Envyss LLC	10	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	06/17/2020
68959-11	Sodium hypochlorite	HYPO-CHLOR Neutral 0.25%	Veltek Associates Inc	5	Ready-to-use	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral	Adenovirus type 5; Poliovirus	06/17/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen claim		
55364-4	Quaternary ammonium	Control III Laboratory Germicide	Maril Products Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus type 5	06/17/2020
1839-94	Quaternary ammonium	NP 3.2 (D&F) Detergent/ disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	06/17/2020
10492-4	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Discide Ultra Disinfecting Towelettes	Palmero Healthcare LLC	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral	Adenovirus Type 2	06/11/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen claim		
10324-117	Quaternary ammonium	Maquat 710-M	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Feline calicivirus	06/08/2020
10324-85	Quaternary ammonium	Maquat 86-M	Mason Chemical Company	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Hepatitis A virus; Porcine rotavirus	06/08/2020
1839-169	Quaternary ammonium	BTC 885 Neutral Disinfectant Cleaner-64	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral	Rotavirus	06/08/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen claim		
1677-202	Quaternary ammonium	66 Heavy Duty Alkaline Bathroom Cleaner and Disinfectant	Ecolab Inc	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	06/04/2020
10324-81	Quaternary ammonium	Maquat 7.5-M	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Feline calicivirus	06/04/2020
4822-548	Triethylene glycol; Quaternary ammonium	Scrubbing Bubbles® Multi-Purpose Disinfectant	S.C. Johnson & Son Inc	5	Pressurized liquid	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral	Rotavirus	06/04/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen claim		
1839-167	Quaternary ammonium	BTC 885 Neutral Disinfectant Cleaner-256	Stepan Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	05/28/2020
93908-1	Hypochlorous acid	Envirolyte O & G	Aqua Engineered Solution Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	05/28/2020
1677-193	Peroxyacetic acid (Peracetic acid); Hydrogen peroxide	AdvaCare 120 Sanitizer/ Sour	Ecolab Inc	6	Dilutable	Porous (P) (laundry)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral	Clostridioides difficile	05/28/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen claim		
12120-4	Peroxyacetic acid (Peracetic acid); Hydrogen peroxide	SSS Synersys Sporicidal Disinfectant	Standardized Sanitation Systems Inc	2	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	05/28/2020
71355-1	Quaternary ammonium; Glutaraldehyde	Virocid	CID Lines NV	10	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Porcine circovirus	05/28/2020
1839-168	Quaternary ammonium	BTC 885 NDC-32	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral	Rotavirus	05/28/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen claim		
5813-122	Sodium hypochlorite	Clorox Splash-Less Bleach1	The Clorox Company	6	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	05/21/2020
39967-137	Potassium peroxymonosulfate; Sodium chloride	Virkon S	Lanxess Corporation	10	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	05/21/2020
91861-2	Hydrogen peroxide	Bona STL Disinfecting Cleaner	Bonakemi USA Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	05/21/2020
5813-124	Sodium hypochlorite	Clorox Bleach Blanqueador	The Clorox Company	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Canine parvovirus;	05/21/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN); Food Contact Post-Rinse Required (FCR)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline parvovirus	
1672-65	Sodium hypochlorite	Austin A-1 Ultra Disinfecting Bleach	James Austin Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Hepatitis A virus	05/21/2020
6836-336	Quaternary ammonium	Lonza Disinfectant Wipes Plus	Lonza LLC	10	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	05/21/2020
70627-62	Hydrogen peroxide	Phato 1:64 Disinfectant	Diversey Inc	5	Dilutable	Hard Nonporous	Healthcare; Institutional	Kills a harder-to-	Feline calicivirus	05/21/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Cleaner				(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
70627-75	Sodium hypochlorite	Avert Sporicidal Disinfectant Cleaner Wipes	Diversey Inc	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	05/21/2020
74986-4	Sodium chlorite	Selectrocide 2L500	Selective Micro Technologies LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	05/21/2020
1677-21	Quaternary ammonium	Mikro-Quat	Ecolab Inc	10	Dilutable	Hard Nonporous	Healthcare	Kills a harder-to-	Norovirus	05/14/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
5813-121	Sodium hypochlorite	CRB I	The Clorox Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus; Feline parvovirus; Feline panleukopenia virus	05/14/2020
9150-3	Chlorine dioxide	Carnebon 200	International Dioxcide Inc	15	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	05/14/2020
34810-37	Citric acid	Wexford Disinfectant	Wexford Labs Inc	5	Wipe	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Rhinovirus	05/14/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Wipes				(HN); Food Contact Post-Rinse Required (FCR)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
5813-76	Sodium hypochlorite	Clorox MTOC	The Clorox Company	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	05/14/2020
10772-21	Hydrogen peroxide	Hydra	Church & Dwight Company Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Rhinovirus	05/14/2020
75277-2	Citric acid	Freak	Method Products Inc	10	Ready-to-use	Hard Nonporous	Residential	Kills a harder-to-	Rhinovirus	05/14/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
1043-119	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	SPOR-KLENZ Ready To Use	Steris Corporation	10	Ready-to-use	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Murine norovirus	05/14/2020
58300-25	Peroxyacetic acid (Peracetic acid); Hydrogen peroxide	Stericide	ConSeal International Inc	20	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Use this product according to the directions for use for sterilization	05/14/2020
69470-37	Sodium dichloroisocyanurate	Clearon Bleach	Clearon Corporation	10	Solid	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Canine parvovirus	05/14/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Tablets				(HN); Food Contact Post-Rinse Required (FCR)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
4822-592	L-Lactic acid	Hygeia	S.C. Johnson & Son Inc	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	05/14/2020
1839-174	Quaternary ammonium	Stepan Towelette	Stepan Company	10	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	05/14/2020
1043-129	Quaternary ammonium; Isopropanol (Isopropyl	Vesta-Syde SQ64 Ready-	Steris Corporation	10	Ready-to-use	Hard Nonporous	Institutional	Kills a harder-to-	Feline calicivirus	05/07/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
	alcohol)	to-Use Disinfectant				(HN); Food Contact Post-Rinse Required (FCR)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
71654-5	Glycolic acid	Glyclean Hard Surface Cleaner	The Chemours Company FC LLC	10	Ready-to-use	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	05/07/2020
70271-34	Quaternary ammonium	KIK Antibacterial Multipurpose Cleaner I	KIK International LLC	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	05/07/2020
71355-2	Hydrogen peroxide; Peroxyacetic acid	Kickstart	CID Lines NV	10	Dilutable	Hard Nonporous	Institutional	Kills a harder-to-	Avian reovirus	05/07/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
	(Peracetic acid)					(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
4822-530	Quaternary ammonium	Fantastik® All-Purpose Cleaner	S.C. Johnson & Son Inc	3	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	05/07/2020
67619-42	Hypochlorous acid	Galaxy	Clorox Professional Products Company	5	Ready-to-use; Electrostatic spray (Clorox® Total 360® system)	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus; Rhinovirus	05/07/2020
6836-245	Quaternary ammonium	CSP-46	Lonza LLC	10	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Feline calicivirus;	05/07/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN); Food Contact Post-Rinse Required (FCR)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	
6836-379	Quaternary ammonium	Nugen NR Disinfecant Wipes	Lonza LLC	5	Wipe	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	05/07/2020
6836-372	Quaternary ammonium	Nugen 2m Disinfectant Wipes	Lonza LLC	2	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	05/07/2020
8383-12	Hydrogen peroxide; Peroxyacetic acid	Peridox	Contec Inc	2	Dilutable	Hard Nonporous	Healthcare; Institutional	Kills a harder-to-	Norovirus; Rhinovirus	05/07/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
	(Peracetic acid)					(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
1677-158	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid); Octanoic acid	Vortexx	Ecolab Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Reovirus	05/07/2020
1677-209	Hydrogen peroxide; Peroxyoctanoic acid; Octanoic acid	Octave FS	Ecolab Inc	10	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	05/07/2020
4822-613	Quaternary ammonium	Scrubbing Bubbles®	S.C. Johnson & Son Inc	5	Ready-to-use	Hard Nonporous	Residential	Kills a harder-to-	Rotavirus	05/07/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Disinfectant Bathroom Grime Fighter				(HN); Food Contact Post-Rinse Required (FCR)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
5813-93	Glycolic acid	Show	The Clorox Company	10	Impregnated materials	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	05/07/2020
64240-44	Sodium hypochlorite	Soft Scrub with Bleach	Combat Insect Control Systems	3	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	05/07/2020
72977-3	Silver ion; Citric acid	Axen® 30	ETI H2O Inc	3	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Adenovirus	05/07/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
1839-216	Quaternary ammonium	SC-NDC-64	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	04/30/2020
777-139	Citric acid	T-bone	Reckitt Benckiser LLC	5	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	04/30/2020
1043-127	Phenolic	LpH® IIIse Phenolic Disinfectant	Steris Corporation	10	Dilutable	Hard Nonporous (HN)	Healthcare	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen	Adenovirus	04/30/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								claim		
92378-2	Quaternary ammonium	Atmosphere	Atmosphere Global LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/30/2020
10897-108	Sodium hypochlorite	Hasa Bleach 6%	Hasa Inc	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/30/2020
88049-2	Sodium hypochlorite	2.2% Sodium Hypochlorite Solution	Ameriplus Inc	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen	Rhinovirus	04/30/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								claim		
92449-1	Hypochlorous acid	Annihilyte-1	Annihilare Medical Systems Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/30/2020
95337-1	Citric acid	Arm & Hammer Essentials™ Disinfecting Wipes	CR Brands Inc	5	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/30/2020
34810-25	Thymol	Ready to Use Thymol	Wexford Labs Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen	Feline calicivirus	04/30/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								claim		
8383-3	Phenolic	Sporicidin (Brand) Disinfectant Solution (Spray)	Contec Inc	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/30/2020
87508-3	Sodium chlorite	Performacide	Odorstart LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	04/30/2020
93672-2	Hydrogen peroxide	NeoSan Labs Part B	Neosan Labs Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen	Norovirus	04/30/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								claim		
93672-1	Quaternary ammonium	NeoSan Labs Part A	Neosan Labs Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/30/2020
1677-256	Quaternary ammonium	FSC 35K	Ecolab Inc	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/30/2020
1839-213	Quaternary ammonium	SC-AHD-128	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen	Norovirus	04/30/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								claim		
91176-2	1,2-Hexanediol	PELS 422	The Gilla Company LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	04/23/2020
1839-211	Quaternary ammonium	SC-AHD-64	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/23/2020
5185-505	Hydrogen chloride	The Works® Basic Disinfectant Toilet Bowl Cleaner	Bio-Lab Inc	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Poliovirus	04/23/2020
74436-1	Quaternary ammonium	EasyDECON Part 1	EFT Holdings Inc	10	Ready-to-use	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	Kills a harder-to-kill	Hepatitis A virus; Rhinovirus;	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Contact Post-Rinse Required (FCR)		pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	
74436-2	Hydrogen Peroxide	EasyDECON Part 2	EFT Holdings Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Hepatitis A virus; Rhinovirus; Feline calicivirus	04/23/2020
66570-2	Sodium dichloroisocyanurate	EfferSan™	Activon Inc	5	Solid	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/23/2020
87492-1	Chlorine dioxide	Electro-Biocide	Strategic Resource Optimization	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill	Rhinovirus	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
			Inc					pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
11525-30	Quaternary ammonium; Ethanol (Ethyl alcohol)	Disinfectant Spray "G"	Aerosols Danville Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/23/2020
4822-614	Hydrochloric acid	Scrubbing Bubbles® Power Stain Destroyer Non-Bleach Toilet Bowl Disinfectant	S.C. Johnson & Son Inc	10	Ready-to-use	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	04/23/2020
70627-79	Hydrogen peroxide	Oxivir™ HC Disinfectant Cleaner	Diversey Inc	1	Ready-to-use	Hard Nonporous (HN); Food	Healthcare; Institutional	Kills a harder-to-kill	Feline calicivirus; Rhinovirus;	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Contact Post-Rinse Required (FCR)		pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Rotavirus; Poliovirus	
70627-80	Hydrogen peroxide	Oxivir™ HC Wipes	Diversey Inc	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Rhinovirus; Adenovirus; Rotavirus; Poliovirus	04/23/2020
4822-617	Sodium hypochlorite	Scrubbing Bubbles® Bubbly Bleach Gel Toilet Bowl Disinfectant	S.C. Johnson & Son Inc	10	Ready-to-use	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	04/23/2020
6836-385	Hydrogen peroxide	DS-6640	Lonza LLC	3	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill	Feline calicivirus	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-388	Hydrogen peroxide	DS6809	Lonza LLC	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/23/2020
91452-1	Citric acid	LEXX™ Liquid Sanitizer and Cleaner Concentrate	ProNatural Brands LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/23/2020
1043-128	Phenolic	Vesphene IIIse Phenolic Disinfectant	Steris Corporation	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill	Adenovirus	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
88897-1	Quaternary ammonium; Ethanol (Ethyl alcohol); Isopropanol (Isopropyl alcohol)	Panther Disinfectant Towelette	Maxill Inc	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	04/23/2020
1677-255	Sodium dichloroisocyanurate	XHC-S	Ecolab Inc	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	04/23/2020
68660-11	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Proxitane® AHC	Solvay Chemicals LLC	10	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill	Rhinovirus	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
34810-31	Phenolic	Wex-cide 128	Wexford Labs Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/23/2020
1839-155	Quaternary ammonium	BTC 2125M 20% Solution	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	04/23/2020
1839-245	Quaternary ammonium	SC-5:256HN	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	Kills a harder-to-kill	Norovirus	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Contact Post-Rinse Required (FCR)		pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
65402-3	Peroxyacetic acid (Peracetic acid); Hydrogen peroxide	VigorOx SP-15 Antimicrobial Agent	PeroxyChem LLC	5	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/23/2020
70271-15	Sodium hypochlorite	2% Sodium Hypochlorite Spray	KIK International Inc	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/23/2020
73232-1	Isopropanol (Isopropyl alcohol); Quaternary ammonium	Alpet D2	Best Sanitizers Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill	Norovirus	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
34810-36	Citric acid	CleanCide Wipes	Wexford Labs Inc	5	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus; Feline calicivirus	04/23/2020
1839-96	Quaternary ammonium	NP 9.0 (D&F) Detergent/ disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/23/2020
87518-1	Hypochlorous acid	Hsp2O	HSP USA LLC	1	Ready-to-use	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	Kills a harder-to-kill	Norovirus	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Contact Post-Rinse Required (FCR)		pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
1839-235	Quaternary ammonium	SC-5:256N	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Rotavirus	04/23/2020
1839-244	Quaternary ammonium	SC-5:64HN	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus	04/23/2020
72372-1	Hydrogen peroxide	B-Cap™ 35 Antimicrobial Agent	PeroxyChem LLC	Consult user manual	Vapor (use in conjunction with VHP generator)	Hard Nonporous (HN); Porous (P)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Use this product for sterilization as instructed in the Bioquell Hydrogen Peroxide Vapor (HPV) User's Equipment Manual	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
777-126	Hydrogen peroxide	Angel	Reckitt Benckiser LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Rhinovirus	04/16/2020
4822-594	Quaternary ammonium	Scrubbing Bubbles® Bathroom Disinfectant Bathroom Grime Fighter	S.C. Johnson & Son Inc	5	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	04/16/2020
89833-4	Hydrogen peroxide	D7 Part 2	Decon7 Systems LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
1677-254	Sodium hypochlorite	XHC-E	Ecolab Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	04/16/2020
706-65	Quaternary ammonium	Claire Disinfectant Bathroom Cleaner	Claire Manufacturing Company	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	04/16/2020
70144-5	Quaternary ammonium; Ethanol (Ethyl alcohol)	Opti-cide Max	Micro-Scientific LLC	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
3573-77	Sodium hypochlorite	CSP-3002-3	The Proctor & Gamble Company	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Poliovirus	04/16/2020
3573-96	Quaternary ammonium	Malibu Concentrate	The Proctor & Gamble Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Norovirus	04/16/2020
1839-215	Quaternary ammonium	SC-NDC-128	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
1839-233	Quaternary ammonium	SC-5:64N	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Simian rotavirus	04/16/2020
6836-233	Quaternary ammonium	BARDAC 205M-50	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/16/2020
70627-35	Quaternary ammonium	Envy Foaming Disinfectant Cleaner	Diversey Inc	3	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
1839-225	Quaternary ammonium	SC-RTU-TB	Stepan Company	3	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/16/2020
1839-212	Quaternary ammonium	SC-AHD-256	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Norovirus	04/16/2020
5741-28	Sodium hypochlorite	Tulmult	Spartan Chemical Company Inc	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Norovirus	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
70144-2	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Opti-Cide 3® Wipes	Micro-Scientific LLC	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Rhinovirus	04/09/2020
1677-259	Dodecylbenzenesulfonic acid; L-Lactic acid	CW32A-RTU	Ecolab Inc	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/09/2020
1677-260	Dodecylbenzenesulfonic acid; L-Lactic acid	S&S Sanitizer	Ecolab Inc	0.5 (30 seconds)	Dilutable	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
91899-2	Hydrogen peroxide	MDF-200 Part B	Span-World LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/09/2020
91899-1	Quaternary ammonium	MDF-200 Part A	Span-World LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/09/2020
34810-35	Citric acid	Cleancide	Wexford Labs Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
9804-1	Chlorine dioxide	Oxine	Bio-Cide International Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	04/09/2020
58779-4	Hydrogen peroxide	Vaprox Hydrogen Peroxide Sterilant	Steris Corporation	Consult user manual	Vapor (use in conjunction with VHP generator)	Hard Nonporous (HN); Porous (P); Food Contact No Rinse (FCNR)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Use this product for sterilization as instructed in the Vaporized Hydrogen Peroxide (VHP®) User's Equipment Manual	04/09/2020
58232-2	Sodium hypochlorite	Sodium Hypochlorite 8.25%	Hasa Inc	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
4822-593	L-Lactic acid	Windex Disinfectant Cleaner	S.C. Johnson & Son Inc	5	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/09/2020
66251-2	Citric acid; Thymol	SBT 2 to 1 Concentrate	Melaleuca Inc	10	Dilutable	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus; Poliovirus	04/09/2020
71700-2	Chlorine dioxide; Quaternary ammonium	SNiPER	Global Environmental Restoration Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
9150-2	Chlorine dioxide	Anthium Dioxcide	International Dioxcide Inc	15	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	04/09/2020
66171-103	Peroxyacetic acid (Peracetic acid); Hydrogen peroxide	Peraside A Peroxyacetic Acid-Based Sanitizer/ Disinfectant	Preserve International	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Murine norovirus	04/09/2020
3573-54	Citric acid	Comet Disinfecting Bathroom Cleaner	The Proctor & Gamble Company	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Norovirus	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
39967-138	Potassium peroxymonosulfate; Sodium chloride	Rely+On Multipurpose Disinfectant Cleaner	Lanxess Corporation	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Hepatitis A virus; Feline calicivirus	04/09/2020
1839-246	Quaternary ammonium	SC-5:128HN	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Feline calicivirus	04/09/2020
1839-86	Quaternary ammonium	BTC 2125M 10% Solution	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
1839-166	Quaternary ammonium	BTC 885 NDC-128	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	04/09/2020
8383-13	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	PeridoxRTU ™	Contec Inc	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/09/2020
954-11	Quaternary ammonium	Barbicide	King Research Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	04/02/2020
84683-3	Thymol	Benefect Botanical Daily Cleaner Disinfectant	Cleanwell LLC	10	Ready-to-use	Hard Nonporous (HN); Food Contact	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen	Rhinovirus	04/02/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Spray				No Rinse (FCNR)		than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
88897-2	Quaternary ammonium; Ethanol (Ethyl alcohol); Isopropanol (Isopropyl alcohol)	Panther Disinfectant	Maxill Inc	3	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Feline calicivirus	04/02/2020
42048-4	L-Lactic acid	Sani-Cide EX3 (10X) RTU	Celeste Industries Corp	10	Ready-to-use	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/02/2020
66171-7	Quaternary ammonium; Glutaraldehyde	Synergize	Preserve International	10	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen	Feline calicivirus	04/02/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
85837-4	Hydrogen peroxide	Proxi Home General Disinfectant Cleaner Spray	Innovasource LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/02/2020
498-179	Quaternary ammonium; Ethanol (Ethyl alcohol)	Champion Sprayon Spray Disinfectant Formula 3	Chase Products Co	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	04/02/2020
1839-236	Quaternary ammonium	SC-5:128N	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen	Rotavirus	04/02/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Post-Rinse Required (FCR)		than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
70385-6	Quaternary ammonium	QGC	Prorestore Products	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	04/02/2020
1043-87	Phenolic	Vesphene II se	Steris Corporation	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	03/26/2020
1043-91	Phenolic	LpH®	Steris Corporation	10	Dilutable	Hard Nonporous (HN); Food Contact	Institutional	Kills a harder-to-kill pathogen	Adenovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Post-Rinse Required (FCR)		than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
1839-100	Quaternary ammonium	Veterinarian Type Disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Norovirus	03/26/2020
1839-95	Quaternary ammonium	NP 4.5 (D&F) Detergent/ disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/26/2020
4091-20	Quaternary ammonium	Phoenix 2	W.M. Barr & Company Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen	Rotavirus; Feline calicivirus; Rhinovirus	03/26/2020

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								than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
44446-67	Phenolic; Ethanol (Ethyl alcohol)	Concept Hospital Disinfectant Deodorant	Quest Specialty Corp	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Canine hepatitis virus	03/26/2020
45745-11	Hydrogen peroxide	HP2O2	Midlab	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Norovirus; Rhinovirus	03/26/2020
56392-8	Sodium hypochlorite	Dispatch	Clorox Professional Products Company	1	Wipe	Hard Nonporous (HN); Food Contact	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen	Adenovirus	03/26/2020

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						Post-Rinse Required (FCR)		than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
65402-9	Peroxyacetic acid (Peracetic acid); Hydrogen peroxide	VigorOx 15/10 Antimicrobial Agent	PeroxyChem LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/26/2020
67619-40	Sodium hypochlorite	Clorox Healthcare Spore10 Defense Cleaner Disinfectant	Clorox Professional Products Company	1	Ready-to-use; Electrostatic spray (Clorox® Total 360® system)	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Murine norovirus	03/26/2020
70060-19	Sodium chlorite; Sodium dichloroisocyanurate dihydrate	Aseptrol S10-Tab	BASF Corporation	10	Solid	Hard Nonporous (HN); Food Contact	Healthcare; Institutional	Kills a harder-to-kill pathogen	Feline calicivirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Post-Rinse Required (FCR)		than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
70144-4	Quaternary ammonium; Ethanol (Ethyl alcohol)	Opti-cide Max Wipes	Micro-Scientific LLC	1	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/26/2020
70271-13	Sodium hypochlorite	Pure Bright Germicidal Ultra Bleach	KIK International LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Rotavirus; Canine parvovirus; Feline panleukopenia virus; Hepatitis A virus; Norovirus; Poliovirus; Rhinovirus	03/26/2020
70271-31	Sodium hypochlorite	Nova	KIK International LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen	Rhinovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
777-131	Hypochlorous acid	Cousteau	Reckitt Benckiser LLC	10	Ready-to-use	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	03/26/2020
82972-1	Chlorine dioxide; Quaternary ammonium	Vital Oxide	Vital Solutions LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Canine parvovirus	03/26/2020
84198-1	Hydrogen peroxide	Peroxy HDOX	Earth Laboratories Inc	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen	Norovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
84683-4	Thymol	Benefect Botanical Daily Cleaner Disinfectant Towelette	Cleanwell LLC	10	Wipe	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	03/26/2020
89833-3	Quaternary ammonium	D7 Part 1	Decon7 Systems LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/26/2020
89900-2	Quaternary ammonium	Scrubbing Bubbles® Disinfectant Restroom	S.C. Johnson Professional	5	Ready-to-use	Hard Nonporous (HN); Food Contact	Institutional; Residential	Kills a harder-to-kill pathogen	Rotavirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Cleaner II				Post-Rinse Required (FCR)		than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
89900-3	Quaternary ammonium	Fantastik® Multi-Surface Disinfectant Degreaser	S.C. Johnson Professional	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/26/2020
91399-2	Sodium chlorite	Biotab7	Advanced Biocide Technologies Inc	1	Dilutable	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Norovirus	03/26/2020
92108-1	Hypochlorous acid	Excelyte Vet	PCT LTD	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen	Norovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
92987-1	Sodium chlorite; Citric acid	Tristel Duo for Surfaces	Tristel Solutions LTD	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Feline calicivirus; Poliovirus	03/26/2020
93040-1	Sodium chloride	Force of Nature Activator Capsule	HCl Cleaning Products LLC	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/26/2020
11346-3	Sodium hypochlorite	Clorox HW	The Clorox Company	1	Wipe	Hard Nonporous (HN)	Healthcare; Residential	Kills a harder-to-kill pathogen	Feline calicivirus; Norovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								than SARS-CoV-2 (COVID-19)		
11346-6	Sodium hypochlorite	Clorox HS	The Clorox Company	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus; Norovirus	03/26/2020
1677-216	Sodium chlorite	Exspor Base Concentration	Ecolab Inc	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus; Norovirus	03/26/2020
1839-80	Quaternary ammonium	NP 12.5 Detergent/ Disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Adenovirus	03/26/2020
1839-97	Quaternary ammonium	NP 12.5 (D&F) Detergent/ Disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Adenovirus	03/26/2020
34810-21	Phenolic	Ready To Use	Wexford Labs	10	Ready-to-use	Hard	Healthcare;	Kills a	Rhinovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Wex-Cide	Inc			Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19)		
3862-179	Phenolic	Opti-Phene	ABC Compounding Co Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Human adenovirus	03/26/2020
3862-181	Quaternary ammonium	Foaming Disinfectant Cleaner	ABC Compounding Co Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Poliovirus	03/26/2020
61178-2	Quaternary ammonium	Public Places	Microgen Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus	03/26/2020
63761-5	Quaternary ammonium; Sodium carbonate peroxyhydrate	Sterilex Ultra Powder	Sterilex	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2	Feline calicivirus; Norovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								(COVID-19)		
64240-65	L-Lactic acid	WC Complete	Combat Insect Control Systems	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Rhinovirus	03/26/2020
675-30	Quaternary ammonium	Roccal II 10%	Reckitt Benckiser LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Adenovirus	03/26/2020
6836-333	Quaternary ammonium	MMR-4U	Lonza LLC	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus; Norovirus	03/26/2020
70271-24	Sodium hypochlorite	Tecumseh B	KIK International LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus; Norovirus	03/26/2020
70590-1	Sodium hypochlorite	Hype-Wipe	Current Technologies Inc	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill	Feline calicivirus; Norovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								pathogen than SARS-CoV-2 (COVID-19)		
70627-33	Quaternary ammonium	Envy Liquid Disinfectant Cleaner	Diversey Inc	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Canine parvovirus	03/26/2020
71847-2	Sodium dichloroisocyanurate	Klor-Kleen	Medentech LTD	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus; Norovirus	03/26/2020
777-102	Sodium hypochlorite	Lysol® Brand Toilet Bowl Cleaner with Bleach	Reckitt Benckiser LLC	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Rhinovirus	03/26/2020
777-104	Hydrochloric acid	Vanity GP	Reckitt Benckiser LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Poliovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
84526-1	Hydrogen peroxide; Silver	HaloSpray	Halosil International Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus; Norovirus	03/26/2020
88089-2	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Peridox	BioMed Protect LLC	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Feline calicivirus; Norovirus	03/26/2020
88089-4	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	PeridoxRTU™	BioMed Protect LLC	3	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Canine parvovirus	03/26/2020
88494-2	Ethanol (Ethyl alcohol); Quaternary ammonium	Wedge Disinfectant Wipes	North American Infection Control Ltd	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19)	Poliovirus	03/26/2020
9480-11	Quaternary ammonium	BackSpray RTU	Professional Disposables International Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-	Feline calicivirus; Norovirus	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								CoV-2 (COVID-19)		
10324-59	Quaternary ammonium	Maquat 64	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/19/2020
777-128	Quaternary ammonium	Lysol® Laundry Sanitizer	Reckitt Benckiser LLC	5	Dilutable	Porous (P) (laundry presoak only)	Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/19/2020
1130-15	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Weiman Germicidal Solution	Weiman Products LLC	3	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/19/2020
1677-233	Quaternary ammonium	Multi-Purpose Disinfectant Cleaner	Ecolab Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2	Feline calicivirus	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								(COVID-19); Emerging viral pathogen claim		
5813-120	Sodium hypochlorite	CRB	The Clorox Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	03/19/2020
675-55	Citric acid	Lysol® Bathroom Cleaner	Reckitt Benckiser LLC	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	03/19/2020
70144-1	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Opti-Cide 3®	Micro-Scientific LLC	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2	Rotavirus; Rhinovirus Type 14	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								(COVID-19); Emerging viral pathogen claim		
706-111	Quaternary ammonium	Claire Disinfectant Spray Q	Claire Manufacturing Company	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	03/19/2020
84526-6	Hydrogen peroxide; Silver	Halomist	Halosil International Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Minute virus of mice	03/19/2020
85134-1	Hypochlorous acid	Envirocleanse A	Envirocleanse LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2	Norovirus	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								(COVID-19); Emerging viral pathogen claim		
87518-6	Sodium hypochlorite	Sporex	HSP USA LLC	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Canine parvovirus	03/19/2020
90150-2	Hydrogen peroxide	Binary Ionization Technology (BIT) Solution	Tomi Environmental Solutions Inc	15	Fog; Mist	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/19/2020
91582-1	Hypochlorous acid	Danolyte	Danolyte Global Inc	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2	Adenovirus; Rhinovirus	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(FCR)		(COVID-19); Emerging viral pathogen claim		
9480-4	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Super Sani-Cloth Germicidal Disposable Wipe	Professional Disposables International Inc	2	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus 39; Adenovirus	03/19/2020
9480-8	Sodium hypochlorite	Sani-Cloth Bleach Germicidal Disposable Wipe	Professional Disposables International Inc	1	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus; Rotavirus; Canine parvovirus; Hepatitis A virus; Poliovirus Type 1; Rhinovirus Type 37; Feline calicivirus	03/19/2020
9480-9	Quaternary ammonium	AF3 Germicidal Disposable Wipe	Professional Disposables International Inc	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2	Rotavirus; Adenovirus	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								(COVID-19); Emerging viral pathogen claim		
10324-105	Quaternary ammonium	Maquat 128-PD	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-108	Quaternary ammonium	Maquat 256-MN	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-112	Quaternary ammonium	Maquat 128-MN	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-113	Quaternary ammonium	Maquat 64-MN	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
10324-114	Quaternary ammonium	Maquat 32-MN	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-115	Quaternary ammonium	Maquat 750-M	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-140	Quaternary ammonium	Maquat MQ2525M-CPV	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-142	Quaternary ammonium	Maquat MQ2525M-14	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-155	Quaternary ammonium	Maquat 128-NHQ	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-	Human coronavirus	03/13/2020

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								CoV-2 (COVID-19)		
10324-156	Quaternary ammonium	Maquat 512-NHQ	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-157	Quaternary ammonium	Maquat 32-NHQ	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-164	Quaternary ammonium	Maquat 256-PD	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-166	Quaternary ammonium	Maquat 32	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-167	Quaternary ammonium	Maquat 32-PD	Mason Chemical	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a human	Human coronavirus	03/13/2020

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			Company			(HN)	Residential	coronavirus similar SARS-CoV-2 (COVID-19)		
10324-177	Quaternary ammonium	Maquat 705-M	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-194	Quaternary ammonium	Maquat 2420-10	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-198	Quaternary ammonium	Maquat 702.5-M	Mason Chemical Company	10	Dilutable	Food Contact Post-Rinse Required (FCR); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-230	Hydrogen peroxide;	Maguard	Mason	1	Dilutable	Hard	Healthcare;	Kills a	Human	03/13/2020

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	Peroxyacetic acid (Peracetic acid)	1522	Chemical Company			Nonporous (HN)	Institutional; Residential	human coronavirus similar SARS-CoV-2 (COVID-19)	coronavirus	
10324-57	Quaternary ammonium	Maquat 42	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-58	Quaternary ammonium	Maquat 128	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-63	Quaternary ammonium	Maquat 10	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-71	Quaternary ammonium	Maquat 280	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								(COVID-19)		
10324-72	Quaternary ammonium	Maquat 615-HD	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-80	Quaternary ammonium	Maquat 5.5-M	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-93	Quaternary ammonium	Maquat 64-PD	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-94	Quaternary ammonium	Maquat 20-M	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10324-96	Quaternary ammonium	Maquat 50-DS	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	Kills a human coronavirus	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Contact Post-Rinse Required (FCR)		similar SARS-CoV-2 (COVID-19)		
10324-99	Quaternary ammonium	Maquat 10-PD	Mason Chemical Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
10492-5	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Discide Ultra Disinfecting Spray	Palmero Healthcare LLC	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
11346-4	Quaternary ammonium	Clorox QS	The Clorox Company	2	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
1672-67	Sodium hypochlorite	Austin's A-1 Concentrated Bleach 8.25%	James Austin Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
1677-204	Octanoic acid	65 Disinfecting Heavy Duty Acid Bathroom Cleaner	Ecolab Inc	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
1677-241	Sodium hypochlorite	Hydris	Ecolab Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
1839-176	Quaternary ammonium	Liquid-pak Neutral Disinfectant Cleaner	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
1839-190	Quaternary ammonium	Stepan Disinfectant Wipe	Stepan Company	10	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
1839-214	Quaternary ammonium	SC-NDC-256	Stepan Company	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Required (FCR)		CoV-2 (COVID-19)		
1839-78	Quaternary ammonium	NP 3.2 Detergent/ disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
1839-79	Quaternary ammonium	NP 4.5 Detergent/ disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
1839-81	Quaternary ammonium	NP 9.0 Detergent/ disinfectant	Stepan Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
3862-191	Quaternary ammonium	Assure	ABC Compounding Co Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
4091-23	Sodium hypochlorite; Sodium carbonate	Mold Armor Formula 400	W.M. Barr & Company Inc	0.5 (30 seconds)	Ready-to-use	Hard Nonporous	Institutional; Residential	Kills a human	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)		coronavirus similar SARS-CoV-2 (COVID-19)		
42964-17	Quaternary ammonium; Ethanol (Ethyl alcohol)	Asepticare	Airkem professional products	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
46781-6	Quaternary ammonium; Isopropanol (Isopropyl alcohol)	Cavicide	Metrex Research	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
4822-606	L-Lactic acid	Fangio	S.C. Johnson & Son Inc	10	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
4822-607	Quaternary ammonium	Lauda	S.C. Johnson & Son Inc	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
4822-608	L-Lactic acid	Gurney	S.C. Johnson & Son Inc	5	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
4822-609	Quaternary ammonium	Stewart	S.C. Johnson & Son Inc	3	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
54289-4	Peroxyacetic acid (Peracetic acid)	Peraclean 15 (Peroxyacetic Acid Solution)	Evonik Corporation	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
56392-10	Sodium hypochlorite	Caltech Swat 200 9B	Clorox Professional Products Company	2	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
5813-103	Sodium hypochlorite	CGB3	The Clorox Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-		

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								CoV-2 (COVID-19)		
5813-104	Sodium hypochlorite	CGB4	The Clorox Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
5813-106	Sodium hypochlorite	Axl	The Clorox Company	1	Ready-to-use	Hard Nonporous (HN)	Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
5813-50	Sodium hypochlorite	Ultra Clorox Brand Regular Bleach	The Clorox Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
5813-73	Quaternary ammonium	Clorox Everest	The Clorox Company	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
5813-86	Glycolic acid	CBW	The Clorox Company	10	Impregnated materials	Hard Nonporous	Residential	Kills a human	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)		coronavirus similar SARS-CoV-2 (COVID-19)		
5813-98	Sodium hypochlorite	Lite	The Clorox Company	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
5813-99	Sodium hypochlorite	Wave	The Clorox Company	1	Wipe	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
61178-5	Quaternary ammonium	CCX-151	Microgen Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
6198-4	Quaternary ammonium	Q. A. Concentrated Solution	National Chemicals Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
67619-10	Quaternary ammonium	CPPC Everest	Clorox Professional Products Company	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
67619-11	Sodium hypochlorite	CPPC Shower	Clorox Professional Products Company	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
67619-13	Sodium hypochlorite	CPPC Storm	Clorox Professional Products Company	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
67619-27	Sodium hypochlorite	Buster	Clorox Professional Products Company	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
67619-28	Sodium hypochlorite	Milo	Clorox Professional Products Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								CoV-2 (COVID-19)		
67619-8	Sodium hypochlorite	CPPC Ultra Bleach 2	Clorox Professional Products Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
6836-381	Quaternary ammonium	Lonzagard R-82G	Lonza LLC	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
6836-382	Quaternary ammonium	Nugen Low Streak Disinfectant Wipes	Lonza LLC	4	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
70590-2	Sodium hypochlorite	Bleach-rite Disinfecting Spray With Bleach	Current Technologies Inc	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
70627-15	Quaternary ammonium	Warrior	Diversey Inc	10	Dilutable	Hard Nonporous	Healthcare; Institutional	Kills a human	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN); Food Contact Post-Rinse Required (FCR)		coronavirus similar SARS-CoV-2 (COVID-19)		
70627-2	Quaternary ammonium	Disinfectant D.C. 100	Diversey Inc	2	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
70627-23	Quaternary ammonium	Virex™ II/ 64	Diversey Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
70627-6	Phenolic	Phenolic Disinfectant HG	Diversey Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
70627-63	Quaternary ammonium	512 Sanitizer	Diversey Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
70627-78	Hydrogen peroxide	Suretouch	Diversey Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
74559-6	Hydrogen peroxide	Oxy-res (Concentrate)	Virox Technologies Inc	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
74559-8	Hydrogen peroxide	Accel 5 RTU	Virox Technologies Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
777-136	Ethanol (Ethyl alcohol)	Lysol® Neutra Air® 2 in 1	Reckitt Benckiser LLC	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
74986-5	Sodium chlorite	Selectrocide 5g	Selective Micro Technologies LLC	10	Solid	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-		

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								CoV-2 (COVID-19)		
777-130	Quaternary ammonium	Caterpillar	Reckitt Benckiser LLC	2.5 (2 minutes & 30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
8383-14	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	PeridoxRTU™ (Brand) One-step Germicidal Wipes	Contec Inc	0.5 (30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
777-66	Quaternary ammonium	Lysol® Brand All Purpose Cleaner	Reckitt Benckiser LLC	2	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
777-82	Quaternary ammonium	Lysol® Brand Deodorizing Disinfectant Cleaner	Reckitt Benckiser LLC	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
777-91	Quaternary ammonium	Lysol® Kitchen Pro	Reckitt Benckiser LLC	2	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a human	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Antibacterial Cleaner				(HN); Food Contact Post-Rinse Required (FCR)	Residential	coronavirus similar SARS-CoV-2 (COVID-19)		
8383-7	Phenolic	Sporicidin (Brand) Disinfectant Towelettes	Contec Inc	5	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
85343-1	Quaternary ammonium	Teccare Control	Talley Environmental Care Limited	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
88494-1	Quaternary ammonium; Ethanol (Ethyl alcohol)	Wedge Disinfectant	North American Infection Control LTD	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
89896-2	Hypochlorous acid	Cleansmart	Simple Science Limited	10	Ready-to-use	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
89900-1	Hydrogen peroxide	Nathan 2	S.C. Johnson Professional	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
90287-1	Quaternary ammonium	Maquat 25.6-PDX	VI-JON Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
9402-14	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Hitman Spray	Kimberly-Clark Global Sales LLC	5	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
9402-15	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Victor Spray	Kimberly-Clark Global Sales LLC	5	Pressurized liquid	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
9402-17	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Hitman Wipe	Kimberly-Clark Global Sales LLC	6	Wipe	Hard Nonporous (HN)	Institutional; Residential	Kills a human coronavirus similar SARS-	Human coronavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
								CoV-2 (COVID-19)		
9480-5	Quaternary ammonium	Sani-cloth Germicidal Disposable Cloth	Professional Disposables International Inc	3	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a human coronavirus similar SARS-CoV-2 (COVID-19)	Human coronavirus	03/13/2020
5813-58	Quaternary ammonium	Spruce-ups	The Clorox Company	4	Wipe	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/13/2020
1677-250	Hydrogen peroxide; Peroxyoctanoic acid; Peroxyacetic acid (Peracetic acid)	Synergex	Ecolab Inc	5	Dilutable	Hard Nonporous (HN)	Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Reovirus	03/13/2020
37549-1	Sodium hypochlorite	Micro-kill Bleach	Medline Industries Inc	0.5 (30 seconds)	Wipe	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Norovirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Germicidal Bleach Wipes				(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
37549-2	Sodium hypochlorite	Micro-kill Bleach Solution	Medline Industries Inc	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/13/2020
44446-23	Quaternary ammonium	Germ Away	Quest Specialty Corp	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	03/13/2020
46781-12	Quaternary ammonium; Ethanol (Ethyl alcohol);	Cavicide 1	Metrex Research	3	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Adenovirus; Rotavirus;	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
	Isopropanol (Isopropyl alcohol)					(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	
46781-13	Quaternary ammonium; Ethanol (Ethyl alcohol); Isopropanol (Isopropyl alcohol)	Caviwipes 1	Metrex Research	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	03/13/2020
46781-14	Sodium hypochlorite	Caviwipes Bleach	Metrex Research	3	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/13/2020
46781-15	Sodium hypochlorite	Cavicide Bleach	Metrex Research	3	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Poliovirus; Rhinovirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
5813-100	Sodium hypochlorite	Puma	The Clorox Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	03/13/2020
5813-102	Sodium hypochlorite	CGB1	The Clorox Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	03/13/2020
5813-109	Quaternary ammonium	Say Q	The Clorox Company	10	Ready-to-use	Hard Nonporous	Institutional; Residential	Kills a harder-to-	Rotavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
5813-113	Quaternary ammonium	CDW	The Clorox Company	4	Wipe	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/13/2020
5813-118	Quaternary ammonium	Dash	The Clorox Company	10	Ready-to-use	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/13/2020
6659-3	Quaternary ammonium	Spray Nine	ITW Permatex Inc	0.5 (30 seconds)	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Norovirus; Rhinovirus;	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN); Food Contact Post-Rinse Required (FCR)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	
74559-10	Hydrogen peroxide	Oxy-1 Wipes	Virox Technologies Inc	0.5 (30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	03/13/2020
67619-20	Quaternary ammonium	Rex	Clorox Professional Products Company	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Hepatitis A virus	03/13/2020
67619-26	Sodium hypochlorite	Boris	Clorox Professional	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Canine parvovirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
			Products Company			(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
67619-35	Peroxyacetic acid (Peracetic acid); Hydrogen peroxide	Blacksmith	Clorox Professional Products Company	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	03/13/2020
67619-41	Quaternary ammonium	PPD Dash	Clorox Professional Products Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/13/2020
67619-9	Quaternary ammonium	PJW-622	Clorox Professional	3	Wipe	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Rotavirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
			Products Company			(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-136	Quaternary ammonium	Lonza Formulation S-18F	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/13/2020
6836-139	Quaternary ammonium	Lonza Formulation R-82F	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/13/2020
6836-277	Quaternary ammonium	BARDAC 205M-1.30	Lonza LLC	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Norovirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-303	Quaternary ammonium	BARDAC 205M-5.2	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/13/2020
6836-346	Quaternary ammonium	Lonzagard RCS-256	Lonza LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/13/2020
6836-347	Quaternary ammonium	Lonzagard RCS-128	Lonza LLC	5	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Feline calicivirus;	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Enterovirus	
6836-348	Quaternary ammonium	Lonzagard RCS-128 PLUS	Lonza LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Enterovirus	03/13/2020
6836-362	Quaternary ammonium	Nugen MB5A-128	Lonza LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/13/2020
6836-363	Quaternary ammonium	Nugen MB5A-64	Lonza LLC	5	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Norovirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-366	Quaternary ammonium	Nugen MB5N-64	Lonza LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/13/2020
74559-1	Hydrogen peroxide	Accel TB	Virox Technologies Inc	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus; Feline calicivirus	03/13/2020
74559-9	Hydrogen peroxide	Oxy-1 RTU	Virox Technologies	0.5 (30 seconds)	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Poliovirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
			Inc			(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
74559-3	Hydrogen peroxide	Accel TB Wipes	Virox Technologies Inc	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	03/13/2020
74559-4	Hydrogen peroxide	Accel (Concentrate) Disinfectant Cleaner	Virox Technologies Inc	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	03/13/2020
83614-1	Quaternary ammonium	Byotrol 24	Byotrol Inc	5	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Feline calicivirus	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
84150-2	Ethanol (Ethyl alcohol)	Mitersaw	GOJO Industries Inc	5	Wipe	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/13/2020
87742-1	Thymol	Thymox Disinfectant Spray	Laboratorie M2	4	Ready-to-use	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/13/2020
777-70	Quaternary ammonium	Lysol® Brand Cling & Fresh	Reckitt Benckiser LLC	0.5 (30 seconds)	Ready-to-use	Hard Nonporous	Institutional; Residential	Kills a harder-to-	Rotavirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Toilet Bowl Cleaner				(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
1677-129	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Oxonia Active	Ecolab Inc	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	03/03/2020
1677-226	Hydrogen peroxide; Octanoic acid; Peroxyacetic acid (Peracetic acid)	Virasept	Ecolab Inc	4	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Rhinovirus	03/03/2020
1677-235	Sodium hypochlorite	Bleach Disinfectant	Ecolab Inc	1	Ready-to-use	Hard Nonporous	Healthcare; Institutional	Kills a harder-to-	Murine norovirus;	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Cleaner				(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus; Rhinovirus	
1677-237	Hydrogen peroxide; Peroxyacetic acid (Peracetic acid)	Oxycide Daily Disinfectant Cleaner	Ecolab Inc	3	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Rhinovirus	03/03/2020
1677-238	Hydrogen peroxide	Peroxide Multi Surface Cleaner and Disinfectant	Ecolab Inc	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
1677-249	Isopropanol (Isopropyl alcohol)	Klercide 70/30 IPA	Ecolab Inc	5	Ready-to-use	Hard Nonporous	Healthcare; Institutional	Kills a harder-to-	Rhinovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
777-83	Sodium hypochlorite	Lysol® Brand Bleach Mold And Mildew Remover	Reckitt Benckiser LLC	0.5 (30 seconds)	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus; Norovirus	03/03/2020
1839-220	Quaternary ammonium	SC-RTU Disinfectant Cleaner	Stepan Company	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus	03/03/2020
1839-248	Quaternary ammonium	Stepan Spray Disinfectant	Stepan Company	5	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Rhinovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Concentrate				(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
1839-83	Quaternary ammonium	Detergent Disinfectant Pump Spray	Stepan Company	10	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	03/03/2020
4091-21	Quaternary ammonium	Condor 2	W.M. Barr & Company Inc	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/03/2020
4091-22	Quaternary ammonium; Citric acid	Raptor 5	W.M. Barr & Company Inc	5	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Rhinovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
42182-9	Quaternary ammonium; Ethanol (Ethyl alcohol)	Firebird F130	Microban Products Company	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus; Norovirus	03/03/2020
47371-129	Quaternary ammonium	Formulation HWS- 256	H&S Chemicals Division of Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	03/03/2020
47371-130	Quaternary ammonium	Formulation HWS-128	H&S Chemicals	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Adenovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
			Division of Lonza LLC			(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
47371-131	Quaternary ammonium	HWS-64	H&S Chemicals Division of Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	03/03/2020
47371-192	Quaternary ammonium	Formulation HWS-32	H&S Chemicals Division of Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	03/03/2020
56392-7	Sodium hypochlorite	Clorox Healthcare®	Clorox Professional	1	Ready-to-use	Hard Nonporous	Healthcare; Institutional	Kills a harder-to-	Canine parvovirus;	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Bleach Germicidal Cleaner Spray	Products Company			(HN); Food Contact Post-Rinse Required (FCR)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline panleukopenia virus; Hepatitis A virus; Norovirus; Poliovirus; Rhinovirus	
5813-105	Sodium hypochlorite	Clorox Multi Surface Cleaner + Bleach	The Clorox Company	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus; Canine parvovirus; Feline panleukopenia Virus; Norovirus; Poliovirus	03/03/2020
5813-110	Hydrogen peroxide	Clorox Pet Solutions Advanced Formula Disinfecting Stain & Odor Remover	The Clorox Company	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Enterovirus D68; Norovirus; Rhinovirus	03/03/2020
5813-111	Sodium hypochlorite	Clorox Disinfecting	The Clorox Company	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Canine parvovirus;	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Bleach2				(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline parvovirus	
5813-114	Sodium hypochlorite	Clorox Performance Bleach1	The Clorox Company	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus; Feline parvovirus	03/03/2020
5813-115	Quaternary ammonium	Clorox Scentiva Bathroom Disinfecting Foam Cleaner	The Clorox Company	5	Ready-to-use	Hard Nonporous (HN)	Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/03/2020
5813-21	Sodium hypochlorite	Clorox Clean Up Cleaner +	The Clorox Company	1	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Norovirus; Poliovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Bleach				(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
5813-40	Quaternary ammonium	Clorox Disinfecting Bathroom Cleaner	The Clorox Company	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rhinovirus	03/03/2020
5813-79	Quaternary ammonium	Clorox Disinfecting Wipes	The Clorox Company	4	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus	03/03/2020
5813-89	Sodium hypochlorite	Clorox Toilet Bowl Cleaner	The Clorox Company	10	Ready-to-use	Hard Nonporous	Institutional; Residential	Kills a harder-to-	Rhinovirus; Rotavirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		with Bleach				(HN)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
63761-10	Quaternary ammonium; Sodium carbonate peroxyhydrate	Sterilex Ultra Step	Sterilex	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus; Rotavirus	03/03/2020
63761-8	Quaternary ammonium; Hydrogen peroxide	Sterilex Ultra Disinfectant Cleaner Solution 1	Sterilex	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/03/2020
675-54	Quaternary ammonium	Lysol® Brand Heavy Duty	Reckitt Benckiser LLC	5	Dilutable	Hard Nonporous	Healthcare; Institutional	Kills a harder-to-	Rotavirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Cleaner Disinfectant Concentrate				(HN); Food Contact Post-Rinse Required (FCR)		kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
67619-12	Sodium hypochlorite	Clorox Healthcare® Bleach Germicidal Wipes	Clorox Professional Products Company	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus; Feline parvovirus	03/03/2020
67619-16	Sodium hypochlorite	Clorox Commercial Solutions® Toilet Bowl Cleaner with Bleach1	Clorox Professional Products Company	10	Ready-to-use	Hard Nonporous (HN)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus; Rhinovirus 39	03/03/2020
67619-17	Sodium hypochlorite	Clorox Commercial	Clorox Professional	5	Ready-to-use	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Solutions® Clorox® Clean-Up Disinfectant Cleaner with Bleach1	Products Company			(HN); Food Contact Post-Rinse Required (FCR)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
67619-21	Quaternary ammonium; Ethanol (Ethyl alcohol)	Clorox Commercial Solutions® Clorox® Disinfecting Spray	Clorox Professional Products Company	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Coxsackievirus; Echovirus; Feline calicivirus; Hepatitis A virus; Poliovirus	03/03/2020
67619-24	Hydrogen peroxide	Clorox Commercial Solutions® Hydrogen Peroxide Cleaner Disinfectant	Clorox Professional Products Company	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Rhinovirus; Rotavirus	03/03/2020
67619-25	Hydrogen peroxide	Clorox Commercial	Clorox Professional	2	Wipe	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Solutions® Hydrogen Peroxide Cleaner Disinfectant Wipes	Products Company			(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
67619-29	Ethanol (Ethyl alcohol)	Saginaw	Clorox Professional Products Company	5	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Coxsackievirus; Hepatitis A virus; Rhinovirus; Rotavirus	03/03/2020
67619-30	Sodium hypochlorite	GNR	Clorox Professional Products Company	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Coxsackievirus; Feline calicivirus; Feline panleukopenia Virus; Minute virus of mice; Poliovirus; Rhinovirus Type 37	03/03/2020
67619-31	Quaternary ammonium	Clorox Commercial	Clorox Professional	4	Wipe	Hard Nonporous	Healthcare; Institutional;	Kills a harder-to-	Rotavirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Solutions® Clorox® Disinfecting Wipes	Products Company			(HN)	Residential	kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
67619-32	Sodium hypochlorite	CloroxPro™ Clorox® Germicidal Bleach	Clorox Professional Products Company	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus; Coxsackievirus B3; Enterovirus D68; Norovirus; Feline parvovirus; Hepatitis A virus; Murine norovirus; Poliovirus; Rhinovirus	03/03/2020
67619-33	Hydrogen peroxide	Clorox Commercial Solutions® Clorox® Disinfecting Biostain & Odor Remover	Clorox Professional Products Company	5	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Enterovirus; Norovirus; Rhinovirus Type 37	03/03/2020
67619-37	Quaternary ammonium	Clorox	Clorox	5	Wipe	Hard	Healthcare;	Kills a	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Healthcare® VersaSure® Wipes	Professional Products Company			Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
67619-38	Quaternary ammonium	CloroxPro™ Clorox Total 360® Disinfecting Cleaner1	Clorox Professional Products Company	2	Ready-to-use; Electrostatic spray (Clorox® Total 360® system)	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus	03/03/2020
6836-140	Quaternary ammonium	Lonza Formulation S-21F	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-152	Quaternary ammonium	Lonza	Lonza LLC	10	Ready-to-use	Hard	Healthcare;	Kills a	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Formulation DC-103				Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-266	Quaternary ammonium	BARDAC 205M-10	Lonza LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-278	Quaternary ammonium	BARDAC 205M- 14.08	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-289	Quaternary ammonium	BARDAC	Lonza LLC	10	Ready-to-use	Hard	Healthcare;	Kills a	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		205M RTU				Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-302	Quaternary ammonium	BARDAC 205M-2.6	Lonza LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-305	Quaternary ammonium	BARDAC 205M-23	Lonza LLC	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-313	Quaternary ammonium	Lonza	Lonza LLC	10	Wipe	Hard	Healthcare;	Kills a	Rotavirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Disinfectant Wipes				Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-340	Quaternary ammonium	Lonza Disinfectant Wipes Plus 2	Lonza LLC	10	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-349	Quaternary ammonium	Lonzagard RCS-256 Plus	Lonza LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Enterovirus D68; Norovirus	03/03/2020
6836-361	Quaternary ammonium	Nugen	Lonza LLC	5	Dilutable	Hard	Healthcare;	Kills a	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		MB5A-256				Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-364	Quaternary ammonium	Nugen MB5N-256	Lonza LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-365	Quaternary ammonium	Nugen MB5N-128	Lonza LLC	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-70	Quaternary ammonium	BARDAC	Lonza LLC	10	Dilutable	Hard	Healthcare;	Kills a	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		205M-7.5				Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
6836-75	Quaternary ammonium	Lonza Formulation S-21	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-77	Quaternary ammonium	Lonza Formulation S-18	Lonza LLC	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
6836-78	Quaternary ammonium	Lonza	Lonza LLC	10	Dilutable	Hard	Healthcare;	Kills a	Norovirus	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Formulation R-82				Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim		
70627-24	Quaternary ammonium	Virex™ II / 256	Diversey Inc	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Adenovirus Type 2	03/03/2020
70627-56	Hydrogen peroxide	Oxivir™ Tb	Diversey Inc	1	Ready-to-use	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Rhinovirus; Poliovirus Type 1	03/03/2020
70627-58	Hydrogen peroxide	Oxy-Team™	Diversey Inc	5	Dilutable	Hard	Healthcare;	Kills a	Canine	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Disinfectant Cleaner				Nonporous (HN)	Institutional	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	parvovirus; Feline picornavirus	
70627-60	Hydrogen peroxide	Oxivir™ Wipes	Diversey Inc	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus; Poliovirus Type 1; Rhinovirus Type 14	03/03/2020
70627-72	Sodium hypochlorite	Avert Sporicidal Disinfectant Cleaner	Diversey Inc	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus; Norovirus; Hepatitis A virus; Poliovirus Type 1	03/03/2020
70627-74	Hydrogen peroxide	Oxivir™ 1	Diversey Inc	1	Ready-to-use	Hard	Healthcare;	Kills a	Canine	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Nonporous (HN)	Institutional	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	parvovirus; Enterovirus D68	
70627-77	Hydrogen peroxide	Oxivir™ 1 Wipes	Diversey Inc	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Enterovirus D68	03/03/2020
71847-6	Sodium dichloroisocyanurate	Klorsept	Medentech LTD	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Hepatitis A virus; Coxsackievirus B3	03/03/2020
71847-7	Sodium	Klorkleen	Medentech	1	Dilutable	Hard	Healthcare;	Kills a	Hepatitis A	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
	dichloroisocyanurate		LTD			Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	virus; Coxsackievirus B3	
777-132	Hydrochloric acid	Lysol® Brand Power Plus Toilet Bowl Cleaner	Reckitt Benckiser LLC	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus Type 1	03/03/2020
1677-251	Hydrogen peroxide	Peroxide Disinfectant And Glass Cleaner RTU	Ecolab Inc	0.75 (45 seconds)	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
777-81	Hydrochloric acid	Lysol® Brand	Reckitt	10	Ready-to-use	Hard	Healthcare;	Kills a	Poliovirus Type	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
		Lime & Rust Toilet Bowl Cleaner	Benckiser LLC			Nonporous (HN)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	1; Hepatitis A virus	
777-89	Quaternary ammonium	Lysol® Brand Clean & Fresh Multi-surface Cleaner	Reckitt Benckiser LLC	3	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Rotavirus WA	03/03/2020
84150-1	Ethanol (Ethyl alcohol)	PURELL Professional Surface Disinfectant Wipes	GOJO Industries Inc	5	Wipe	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020
84368-1	Ethanol (Ethyl alcohol)	Urthpro	Urthtech LLC	1	Ready-to-use	Hard	Healthcare;	Kills a	Hepatitis A	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
						Nonporous (HN); Food Contact No Rinse (FCNR)	Institutional; Residential	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	virus	
88494-3	Quaternary ammonium; Ethanol (Ethyl alcohol)	Peak Disinfectant	North American Infection Control Ltd	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus Type 1; Rhinovirus	03/03/2020
88494-4	Quaternary ammonium; Ethanol (Ethyl alcohol)	Peak Disinfectant Wipes	North American Infection Control Ltd	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Poliovirus Type 1; Rhinovirus	03/03/2020
9480-10	Quaternary ammonium;	Sani-Prime	Professional	3	Ready-to-use	Hard	Healthcare;	Kills a	Feline	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
	Ethanol (Ethyl alcohol); Isopropanol (Isopropyl alcohol)	Germicidal Spray	Disposables International Inc			Nonporous (HN)	Institutional	harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	calicivirus	
9480-12	Quaternary ammonium; Ethanol (Ethyl alcohol); Isopropanol (Isopropyl alcohol)	Sani-Cloth Prime Germicidal Disposable Wipe	Professional Disposables International Inc	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Feline calicivirus	03/03/2020
9480-14	Hydrogen peroxide	Sani-HyPerCide Germicidal Spray	Professional Disposables International Inc	1	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Norovirus	03/03/2020

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Guidance on Returning to Work

OSHA 4045-06 2020

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Occupational Safety and Health Act of 1970

"To assure safe and healthful working conditions for working men and women; by authorizing enforcement of the standards developed under the Act; by assisting and encouraging the States in their efforts to assure safe and healthful working conditions; by providing for research, information, education, and training in the field of occupational safety and health."

This guidance is not a standard or regulation, and it creates no new legal obligations. It contains recommendations as well as descriptions of mandatory safety and health standards. The recommendations are advisory in nature, informational in content, and are intended to assist employers in providing a safe and healthful workplace. The Occupational Safety and Health Act requires employers to comply with safety and health standards and regulations promulgated by OSHA or by a state with an OSHA-approved state plan. In addition, the Act's General Duty Clause, Section 5(a)(1), requires employers to provide their employees with a workplace free from recognized hazards likely to cause death or serious physical harm.

This information will be made available to sensory-impaired individuals upon request. Voice phone: (202) 693-1999; teletypewriter (TTY) number: 1-877-889-5627.

Guidance on Returning to Work

U.S. Department of Labor
Occupational Safety and Health Administration

OSHA 4045-06 2020

Contents

Overview

The Occupational Safety and Health Administration (OSHA) has developed the following guidance to assist employers and workers in safely returning to work and reopening businesses deemed by local authorities as "non-essential businesses" during the evolving Coronavirus Disease 2019 (COVID-19) pandemic. Employers can use this guidance to develop policies and procedures to ensure the safety and health of their employees.

This guidance is intended to supplement the U.S. Department of Labor and U.S. Department of Health and Human Services' previously developed Guidance on Preparing Workplaces for COVID-19 and the White House's Guidelines for Opening up America Again. It focuses on the need for employers to develop and implement strategies for basic hygiene (e.g., hand hygiene, cleaning and disinfection), social distancing, identification and isolation of sick employees, workplace controls and flexibilities, and employee training. This guidance is based on the application of traditional infection prevention and industrial hygiene practices to a phased approach for reopening, as the White House guidelines describe.

Reopening should align with the lifting of stay-at-home or shelter-in-place orders and other specific requirements of the Federal Government and state, local, tribal, and/or territorial (SLTT) governments across the United States, as well as with public health recommendations from the Centers for Disease Control and Prevention (CDC) and other federal requirements or guidelines. Employers should continually monitor federal, State, territorial, tribal, and local government guidelines for updated information about ongoing community transmission and mitigation measures, as well as for evolving guidance on disinfection and other best practices for worker protection. Where applicable, these guidelines may supplement state- or locality-specific information and re-opening requirements.

The CDC provides the latest information about the COVID-19 pandemic at: www.cdc.gov/coronavirus/2019-ncov.

OSHA provides specific information for workers and employers about the COVID-19 pandemic at: www.osha.gov/coronavirus.

The National Governors Association provides a state-by-state summary of public health criteria in reopening plans at: www.nga.org/coronavirus-reopening-plans.

Planning for Reopening

All employers should monitor SLTT health department communications to understand how the communities in which their workplaces are located are progressing through the reopening phases identified in the Guidelines for Opening up America Again. The guidelines provide general principles for relaxing restrictions that were put in place to slow the spread of COVID-19. Employers should continue to consider ways to utilize workplace flexibilities, such as remote work (i.e., telework), and alternative business operations to provide goods (e.g., curbside pickup) and services to customers.

During all phases of reopening, employers should implement strategies for basic hygiene (e.g., hand hygiene; cleaning and disinfection), social distancing, identification and isolation of sick employees, workplace controls and flexibilities, and employee training that are appropriate for the particular phase.

In general, during:

- **Phase 1:** Businesses should consider making telework available, when possible and feasible with business operations. For employees who return to the workplace, consider limiting the number of people in the workplace in order to maintain strict social distancing practices. Where feasible, accommodations (i.e., flexibilities based on individual needs) should be considered for workers at higher risk of severe illness, including elderly individuals

and those with serious underlying health conditions. Businesses should also consider extending special accommodations to workers with household members at higher risk of severe illness. Non-essential business travel should be limited.

- **Phase 2**: Businesses continue to make telework available where possible, but non-essential business travel can resume. Limitations on the number of people in the workplace can be eased, but continue to maintain moderate to strict social distancing practices, depending on the type of business. Continue to accommodate vulnerable workers as identified above in Phase 1.
- **Phase 3:** Businesses resume unrestricted staffing of work sites.

Changing outbreak conditions in each community will directly affect workers' exposure risks to SARS-CoV-2, the virus that causes COVID-19. For all phases of reopening, employers should develop and implement policies and procedures that address preventing, monitoring for, and responding to any emergence or resurgence of COVID-19 in the workplace or community. Employers should continue these practices to the extent possible to help prevent COVID-19 from emerging or resurging in their workplace. Such a resurgence could lead to increases in infected and sick employees, the increased need for contact tracing of individuals who visited a workplace, enhanced cleaning and disinfection practices, or even a temporary closure of the business.

Based on evolving conditions, employers' reopening plans should address:

Guiding Principle	Examples of How to Implement
Hazard assessment, including practices to determine when, where, how, and to what sources of SARS-CoV-2 workers are likely to be exposed in the course of their job duties.	▪ Assess all job tasks performed by or job categories held by employees to determine which job tasks or job categories involve occupational exposure. This can be a desktop assessment to maintain social distancing practices. ▪ Consider, among other things, exposures from members of the public (e.g., customers, visitors) with whom workers interact, as well as exposures from close contact with coworkers in the workplace. ▪ Consider current outbreak conditions in the community.
Hygiene, including practices for hand hygiene, respiratory etiquette, and cleaning and disinfection.	▪ Provide soap, water, and paper towels for workers, customers, and visitors to wash their hands, and encourage frequent and proper (for at least 20 seconds) handwashing. ▪ Provide hand sanitizer with at least 60% alcohol and encourage workers to use it frequently when they cannot readily wash their hands. ▪ Identify high-traffic areas, as well as surfaces or items that are shared or frequently touched, that could become contaminated. Target them for enhanced cleaning and disinfection using EPA-registered disinfectants and adherence to CDC guidance for controlling the spread of COVID-19.

Guiding Principle	Examples of How to Implement
Social distancing, including practices for maximizing to the extent feasible and maintaining distance between all people, including workers, customers, and visitors. Six feet of distance is a general rule of thumb, though social distancing practices may change as changes in community transmission of SARS-CoV-2 and other criteria prompt communities to move through the reopening phases.	▪ Limit business occupancy to a number of workers/customers that can safely be accommodated to allow for social distancing. ▪ Demarcate flooring in six-feet zones in key areas where workers, customers, or visitors would ordinarily congregate (i.e., restrooms, check-out lines, areas with time clocks) to encourage people to keep appropriate social distance between themselves and others. ▪ Post signage reminding workers, customers, and visitors to maintain at least six feet between one another. ▪ Post directional signs in hallways/corridors where the width restricts movement and limits social distancing.
Identification and isolation of sick employees, including practices for worker self-monitoring or screening, and isolating and excluding from the workplace any employees with signs or symptoms of COVID-19.	▪ Ask employees to evaluate themselves for signs/symptoms of COVID-19 before coming to work, and to stay home if they are not well. (See the "Employer Frequently Asked Questions" on page 11.) ▪ Establish a protocol for managing people who become ill in the workplace, including details about how and where a sick person will be isolated (in the event they are unable to leave immediately) while awaiting transportation from the workplace, to their home or to a health care facility, and cleaning and disinfecting spaces the ill person has occupied to prevent exposure to other workers, customers, or visitors. Employers may need to collaborate with SLTT health officials to facilitate contact tracing and notification related to COVID-19 cases or possible exposures.

Guiding Principle	Examples of How to Implement
Return to work after illness or exposure, including after workers recover from COVID-19 or complete recommended self-quarantine after exposure to a person with COVID-19.	▪ Follow CDC guidance for discontinuing self-isolation and returning to work after illness, or discontinuing self-quarantine and monitoring after exposure, as appropriate for the workplace. ▪ Ensure workers who have been exposed to someone with COVID-19 routinely monitor themselves or receive monitoring, including for signs and/or symptoms of potential illness, at work, in accordance with CDC guidance.
Controls, including engineering and administrative controls, safe work practices, and personal protective equipment (PPE) selected as a result of an employer's hazard assessment.	▪ Select and implement appropriate engineering controls (e.g., physical barriers/shields to separate workers, enhanced ventilation), and administrative controls (e.g., staggering work shifts, limiting breakroom capacity, practicing social distancing, replacing in-person meetings with video-conference calls, ensuring workers wear appropriate face coverings, such as cloth face masks, to contain respiratory secretions), and providing and ensuring workers use appropriate PPE, identified through hazard assessments and in accordance with OSHA's standards at 29 CFR 1910, Subpart I, and OSHA and CDC guidance on use of PPE. (Note: cloth face coverings are not PPE, because they protect other people from the wearer's respiratory secretions, rather than protecting the wearer).

Guiding Principle	Examples of How to Implement
Workplace flexibilities, including those concerning remote work (i.e., telework) and sick leave.	▪ Evaluate existing policies and, if needed, consider new ones that facilitate appropriate use of telework, sick or other types of leave, and other options that help minimize workers' exposure risks. ▪ Communicate about workplace flexibilities, and ensure workers understand how to make use of available options (e.g., fatigue management).
Training, including practices for ensuring employees receive training on the signs, symptoms, and risk factors associated with COVID-19; where, how, and to what sources of SARS-CoV-2 employees might be exposed in the workplace; and how to prevent the spread of SARS-CoV-2 at work.	▪ Train workers in the appropriate language and literacy level about their risks of exposure to SARS-CoV-2, what the employer is doing to protect them, including site-specific measures, and how they can protect themselves. ▪ Train workers about wearing cloth face coverings in the workplace, including any employer policies related to their use and considerations for when cloth face coverings could cause or contribute to a workplace safety and health hazard. ▪ As required by OSHA standards for PPE, including respiratory protection, and consistent with OSHA and CDC guidance, train workers how to put on, use, and take off PPE; how to clean, maintain, store, and dispose of PPE; and what the limitations of the PPE are. (Note: As described above, cloth face coverings are not PPE, because they protect other people from the wearer's respiratory secretions, rather than protecting the wearer).

Guiding Principle	Examples of How to Implement
Anti-retaliation, including practices for ensuring that no adverse or retaliatory action is taken against an employee who adheres to these guidelines or raises workplace safety and health concerns.	▪ Ensure workers understand their rights to a safe and healthful work environment, who to contact with questions or concerns about workplace safety and health, and prohibitions against retaliation for raising workplace safety and health concerns. ▪ Ensure workers understand their right to raise workplace safety and health concerns and seek an OSHA inspection under the Occupational Safety and Health Act. ▪ Ensure supervisors are familiar with workplace flexibilities and other human resources policies and procedures, as well as with workers' rights in general.

The examples presented in the table are intended to help employers understand each of the guiding principles that should go into their plans for resuming operations and reopening facilities. However, these examples are not an exhaustive list of controls that may be appropriate, necessary, or feasible, nor do all examples apply to every employer. The interagency Guidance on Preparing Workplaces for COVID-19 and the OSHA COVID-19 webpage provide additional recommendations for addressing and implementing these guiding principles within the workplace, including how the implementation of the principles varies by workers' exposure risk levels. Regardless of the types of infection prevention and control measures employers incorporate into their reopening plans, they should consider ways to communicate about those measures to workers, including through training (as described above) and providing a point of contact for any worker questions or concerns.

Applicable OSHA Standards and Required Protections in the Workplace

All of OSHA's standards that apply to protecting workers from infection remain in place as employers and workers return to work.

While covered employers are always responsible for complying with all applicable OSHA requirements, the agency's standards for PPE (29 CFR 1910.132), respiratory protection (29 CFR 1910.134), and sanitation (29 CFR 1910.141) may be especially relevant for preventing the spread of COVID-19. Where there is no OSHA standard specific to SARS-CoV-2, employers have the responsibility to provide a safe and healthful workplace that is free from serious recognized hazards under the General Duty Clause, Section 5(a)(1) of the Occupational Safety and Health (OSH) Act of 1970.

Appendix A of this booklet outlines some of OSHA's general industry rules for hazard and exposure assessment, implementation programs, workplace controls, training, and recordkeeping, as well as prohibitions on retaliation, applicable to protecting workers from occupational exposure to SARS-CoV-2. Consult OSHA resources for other sectors not covered by the appendix, including construction, shipyard employment, and longshoring and marine terminals.

Employer Frequently Asked Questions[1]

Can employers conduct work site SARS-CoV-2 testing?

Yes. Employers may consider implementing strategies to reduce risks to the safety and health of workers and workplaces from COVID-19 that include conducting SARS-CoV-2 testing. Neither the OSH Act nor OSHA standards prohibit employer testing for SARS-CoV-2, if applied in a transparent manner applicable to all employees (i.e., non-retaliatory).

1. Note that these FAQs speak to Federal OSHA standards. Other federal and SLTT laws may apply.

Because of the limitations of current testing capabilities, employers should act cautiously on negative SARS-CoV-2 test results. Employers should not presume that individuals who test negative for SARS-CoV-2 infection (i.e., the virus that causes COVID-19) present no hazard to others in the workplace. Employers should continue to implement the basic hygiene, social distancing, workplace controls and flexibilities, and employee training described in this guidance in ways that reduce the risk of workplace spread of SARS-CoV-2, including by asymptomatic and pre-symptomatic individuals.

Can employers conduct work site temperature checks or other health screening?

Yes. Neither the OSH Act nor OSHA standards prohibits employer screening for COVID-19, if applied in a transparent manner applicable to all employees (i.e., non-retaliatory). Employers may consider implementing strategies to reduce risks to the safety and health of workers and workplaces from COVID-19 that include conducting daily in-person or virtual health checks (e.g., symptom and/or temperature screening, questionnaires, self-checks and self-questionnaires). Any such screening should consider ways to maintain confidentiality, as required by the Americans with Disabilities Act.

Because people infected with SARS-CoV-2 can spread the virus even if they do not have signs or symptoms of infection, temperature screening may play a part in a comprehensive program to monitor worker health during the pandemic, but may have limited utility on its own. In many workplaces, temperature screening efforts are likely to be most beneficial when conducted at home by individual workers, with employers' temperature screening plans relying on workers' self-monitoring and staying home if they have a fever or other signs or symptoms of illness, rather than employers directly measuring temperatures after workers arrive at the work site. Consider implementing such programs in conjunction with sick leave policies that encourage sick workers, including those whose self-monitoring efforts reveal a fever or other signs or symptoms of illness, to stay at home.

Regardless of whether or how employers ultimately decide to implement temperature checks or other health screening measures, they should act cautiously on results. Employers should not presume that individuals who do not have a fever or report experiencing other symptoms of COVID-19 do not have SARS-CoV-2, the virus that causes COVID-19. Employers should continue to implement the basic hygiene, social distancing, workplace controls and flexibilities, and employee training described in this guidance in ways that reflect the risk of community spread of COVID-19, including from asymptomatic and pre-symptomatic individuals, in the geographical area where the workplace is located.

What OSHA requirements must an employer follow when conducting health screening, temperature checking, or COVID-19 testing?

If an employer implements health screening or temperature checks and chooses to create records of this information, those records might qualify as medical records under the Access to Employee Exposure and Medical Records standard (29 CFR 1910.1020). The employer would then be required to retain these records for the duration of each worker's employment plus 30 years and follow confidentiality requirements. As explained above, employers need not make a record of temperatures when they screen workers, but instead may acknowledge a temperature reading in real-time. In addition, temperature records do not qualify as medical records under the Access to Employee Exposure and Medical Records standard unless they are made or maintained by a physician, nurse, or other health care personnel, or technician.

Additionally, personnel administering COVID-19 tests, in-person temperature checks, or other in-person health screening must be protected from exposure to sources of SARS-CoV-2, including asymptomatic and pre-symptomatic workers who might be infected but not know it. Protection of screening and testing workers should incorporate standard and appropriate transmission-based precautions and should follow the hierarchy of controls, including appropriate

engineering and administrative controls, safe work practices, and PPE. See the CDC's General Business Frequently Asked Questions for more information about protecting screening workers. While diagnostic testing that involves saliva or nasal/oral cavity swabbing would not typically fall under the scope of the Bloodborne Pathogens standard (29 CFR 1910.1030), any testing that involves drawing blood would.

Is there guidance on how to address the various health screening and medical issues associated with COVID-19 to avoid violating other labor, disability, and employment laws?

The U.S. Equal Employment Opportunity Commission (EEOC) has established guidance regarding What You Should Know About COVID-19 and the ADA, the Rehabilitation Act, and Other EEO Laws. Employers are encouraged to review this guidance as they develop the health screening, workplace policies, return to work plans, and consider other issues that may arise as they reopen their workplaces and plan to continue operations during the COVID 19 public health emergency. Additional information about labor, disability, and employment laws is available on the Summary of the Major Laws of the Department of Labor webpage.

When can employees who have had COVID-19, or illness consistent with COVID-19, return to work?

The CDC provides guidance about the discontinuation of isolation for people with COVID-19 who are not in healthcare settings. This guidance may be adapted by state and local health departments to respond to rapidly changing local circumstances.

How do I know if employees need personal protective equipment (PPE)?

Employers must conduct a hazard assessment in accordance with OSHA's PPE standard (29 CFR 1910.132), if applicable, to determine the PPE requirements for their unique work site. Employers subject to this standard must determine if PPE (such as gloves, surgical masks, and face shields) is necessary for employees to work safely after considering whether engineering and administrative controls and safe work practices (such as social distancing or the use of cloth face coverings) can effectively mitigate identified hazards.

Employers should consider modifying worker interaction—both among coworkers and with customers, visitors, or other members of the general public—in order to reduce the need for PPE, especially in light of potential equipment shortages. If PPE is necessary to protect workers from exposure to SARS-CoV-2 during particular work tasks when other controls are insufficient or infeasible, or in the process of being implemented, employers should either consider delaying those work tasks until the risk of SARS-CoV-2 exposure subsides or utilize alternative means to accomplish business needs and provide goods and services to customers. If PPE is needed, but not available, and employers cannot identify alternative means to accomplish business needs safely, the work tasks must be discontinued. Consider CDC guidance for conserving and extending filtering facepiece respirator supplies in non-healthcare sectors.

Cloth face coverings are not PPE. However, they can be worn to reduce the spread of potentially infectious respiratory droplets from the wearer to others, including when the wearer has the virus but does not know it. This is known as source control. Employers may consider requiring cloth face coverings to be worn in the workplace as an administrative control. More information about cloth face coverings is available from OSHA's COVID-19 Frequently Asked Questions webpage.

OSHA's PPE Safety and Health Topics page provides additional information about PPE selection, provision, use, and other related topics: www.osha.gov/SLTC/personalprotectiveequipment.

For More Information

Federal, State, territorial, tribal, and local government agencies are the best source of information in the event of an infectious disease outbreak, such as COVID-19. Staying informed about the latest developments and recommendations is critical, since specific guidance may change based upon evolving outbreak conditions in the geographic area where the business is located.

Below are several recommended websites to access the most current and accurate information:

- OSHA website: www.osha.gov
- Whistleblower Protection Program website: www.whistleblowers.gov
- U.S. Department of Labor COVID-19 webpage: www.dol.gov/coronavirus
- CDC website: www.cdc.gov/coronavirus
- National Institute for Occupational Safety and Health website: www.cdc.gov/niosh

OSHA Assistance, Services, and Programs

OSHA has a great deal of information to assist employers in complying with their responsibilities under OSHA law. Several OSHA programs and services can help employers identify and correct job hazards, as well as improve their safety and health program.

Establishing a Safety and Health Program

Safety and health programs are systems that can substantially reduce the number and severity of workplace injuries and illnesses, while reducing costs to employers.

Visit www.osha.gov/safetymanagement for more information.

Compliance Assistance Specialists

OSHA compliance assistance specialists can provide information to employers and workers about OSHA standards, short educational programs on specific hazards or OSHA rights and responsibilities, and information on additional compliance assistance resources.

Visit www.osha.gov/complianceassistance/cas or call 1-800-321-OSHA (6742) to contact your local OSHA office.

No-Cost On-Site Safety and Health Consultation Services for Small Business

OSHA's On-Site Consultation Program offers no-cost and confidential advice to small and medium-sized businesses in all states, with priority given to high-hazard worksites. On-Site consultation services are separate from enforcement and do not result in penalties or citations.

For more information or to find the local On-Site Consultation office in your state, visit www.osha.gov/consultation, or call 1-800-321-OSHA (6742).

Under the consultation program, certain exemplary employers may request participation in OSHA's **Safety and Health Achievement Recognition Program (SHARP)**. Worksites that receive SHARP recognition are exempt from programmed inspections during the period that the SHARP certification is valid.

Cooperative Programs

OSHA offers cooperative programs under which businesses, labor groups and other organizations can work cooperatively with OSHA. To find out more about any of the following programs, visit www.osha.gov/cooperativeprograms.

Strategic Partnerships and Alliances

The OSHA Strategic Partnerships (OSP) provide the opportunity for OSHA to partner with employers, workers, professional or trade associations, labor organizations, and/or other interested

stakeholders. Through the Alliance Program, OSHA works with groups to develop compliance assistance tools and resources to share with workers and employers, and educate workers and employers about their rights and responsibilities.

Voluntary Protection Programs (VPP)

The VPP recognize employers and workers in the private sector and federal agencies who have implemented effective safety and health programs and maintain injury and illness rates below the national average for their respective industries.

Occupational Safety and Health Training

OSHA partners with 26 OSHA Training Institute Education Centers at 37 locations throughout the United States to deliver courses on OSHA standards and occupational safety and health topics to thousands of students a year. For more information on training courses, visit www.osha.gov/otiec.

OSHA Educational Materials

OSHA has many types of educational materials to assist employers and workers in finding and preventing workplace hazards.

All OSHA publications are free at www.osha.gov/publications and www.osha.gov/ebooks. You can also call 1-800-321-OSHA (6742) to order publications.

Employers and safety and health professionals can sign-up for *QuickTakes*, OSHA's free, twice-monthly online newsletter with the latest news about OSHA initiatives and products to assist in finding and preventing workplace hazards. To sign up, visit www.osha.gov/quicktakes.

OSHA Regional Offices

Region 1
Boston Regional Office
(CT*, ME*, MA, NH, RI, VT*)
JFK Federal Building
25 New Sudbury Street, Room E340
Boston, MA 02203
(617) 565-9860 (617) 565-9827 Fax

Region 2
New York Regional Office
(NJ*, NY*, PR*, VI*)
Federal Building
201 Varick Street, Room 670
New York, NY 10014
(212) 337-2378 (212) 337-2371 Fax

Region 3
Philadelphia Regional Office
(DE, DC, MD*, PA, VA*, WV)
The Curtis Center
170 S. Independence Mall West, Suite 740 West
Philadelphia, PA 19106-3309
(215) 861-4900 (215) 861-4904 Fax

Region 4
Atlanta Regional Office
(AL, FL, GA, KY*, MS, NC*, SC*, TN*)
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Room 6T50
Atlanta, GA 30303
(678) 237-0400 (678) 237-0447 Fax

Region 5
Chicago Regional Office
(IL*, IN*, MI*, MN*, OH, WI)
John C. Kluczynski Federal Building
230 South Dearborn Street, Room 3244
Chicago, IL 60604
(312) 353-2220 (312) 353-7774 Fax

Region 6
Dallas Regional Office
(AR, LA, NM*, OK, TX)
A. Maceo Smith Federal Building
525 Griffin Street, Room 602
Dallas, TX 75202
(972) 850-4145 (972) 850-4149 Fax

Region 7
Kansas City Regional Office
(IA*, KS, MO, NE)
Two Pershing Square Building
2300 Main Street, Suite 1010
Kansas City, MO 64108-2416
(816) 283-8745 (816) 283-0547 Fax

Region 8
Denver Regional Office
(CO, MT, ND, SD, UT*, WY*)
Cesar Chavez Memorial Building
1244 Speer Boulevard, Suite 551
Denver, CO 80204
(720) 264-6550 (720) 264-6585 Fax

Region 9
San Francisco Regional Office
(AZ*, CA*, HI*, NV*, and American Samoa,
Guam and the Northern Mariana Islands)
San Francisco Federal Building
90 7th Street, Suite 2650
San Francisco, CA 94103
(415) 625-2547 (415) 625-2534 Fax

Region 10
Seattle Regional Office
(AK*, ID, OR*, WA*)
Fifth & Yesler Tower
300 Fifth Avenue, Suite 1280
Seattle, WA 98104
(206) 757-6700 (206) 757-6705 Fax

*These states and territories operate their own OSHA-approved job safety and health plans and cover state and local government employees as well as private sector employees. The Connecticut, Illinois, Maine, New Jersey, New York and Virgin Islands programs cover public employees only. (Private sector workers in these states are covered by Federal OSHA). States with approved programs must have standards that are identical to, or at least as effective as, the Federal OSHA standards.

Note: To get contact information for OSHA area offices, OSHA-approved state plans and OSHA consultation projects, please visit us online at www.osha.gov or call us at 1-800-321-OSHA (6742).

How to Contact OSHA

Under the Occupational Safety and Health Act of 1970, employers are responsible for providing safe and healthful workplaces for their employees. OSHA's role is to help ensure these conditions for America's working men and women by setting and enforcing standards, and providing training, education and assistance. For more information, visit www.osha.gov or call OSHA at 1-800-321-OSHA (6742), TTY 1-877-889-5627.

For assistance, contact us.
We are OSHA. We can help.

OSHA®
www.osha.gov

Appendix A — Applicable OSHA Standards and Requirements

Note: Specific paragraphs referenced in the table refer to the main provisions of the listed OSHA standards with which employers should be familiar. Other parts of these standards and additional standards not mentioned in the table may apply.

		Personal Protective Equipment General Requirements, 29 CFR 1910.132	Respiratory Protection 29 CFR 1910.134	Sanitation, 29 CFR 1910.141	Hazard Communication 29 CFR 1910.1200	Access to Employee Exposure & Medical Records 29 CFR 1910.1020	Recording and Reporting Occupational Injuries & Illnesses, 29 CFR Part 1904
Applies generally to potential and actual exposure(s) to	SARS-CoV-2 virus	(a)	(a)			(b), (c)(13)	29 CFR 1904.4(a)-(b)
	Chemical hazards (e.g., cleaning and disinfection)	(a)	(a)		(b)	(b), (c)(13)	29 CFR 1904.4(a)-(b)
Hazard/exposure assessment	Required, generally	(d)(1)	(d)(1)(i), (iii)		(d)		
	Written requirements	(d)(2)			(e)		
Implementation program	Required, generally	(d)(1), (2)	(c)		(e)		
	Written requirements	(d)(2)	(c)		(e)		
	Worker involvement		(l)				29 CFR 1904.35
Controls	Engineering controls		(a)(1)				

Note: Specific paragraphs referenced in the table refer to the main provisions of the listed OSHA standards with which employers should be familiar. Other parts of these standards and additional standards not mentioned in the table may apply.

		Personal Protective Equipment General Requirements, 29 CFR 1910.132	Respiratory Protection 29 CFR 1910.134	Sanitation, 29 CFR 1910.141	Hazard Communication 29 CFR 1910.1200	Access to Employee Exposure & Medical Records 29 CFR 1910.1020	Recording and Reporting Occupational Injuries & Illnesses, 29 CFR Part 1904
Controls	Administrative controls and safe work practices				(f)		
	PPE	(a)	(a), (d), (f), (g)				
Housekeeping	General cleaning			(a)(3)			
	Handwashing facilities with soap and running water			(d)			
Training	Required, generally	(f)(1)	(c), (k)		(h)		
	Initial training	(f)(1)	(k)(3)		(h)(1)		
	Periodic training	(f)(3)	(k)(5)		(h)(1)		
	In a language and format worker(s) can understand		(k)(2)				
	Covers use of PPE (e.g., donning and doffing)	(f)(1)(iii)	(c)		(h)(3)(iii)		

Note: Specific paragraphs referenced in the table refer to the main provisions of the listed OSHA standards with which employers should be familiar. Other parts of these standards and additional standards not mentioned in the table may apply.

		Personal Protective Equipment General Requirements, 29 CFR 1910.132	Respiratory Protection 29 CFR 1910.134	Sanitation, 29 CFR 1910.141	Hazard Communication 29 CFR 1910.1200	Access to Employee Exposure & Medical Records 29 CFR 1910.1020	Recording and Reporting Occupational Injuries & Illnesses, 29 CFR Part 1904
Training	Training must be effective (e.g., workers must demonstrate competency)	(f)(2)	(k)		(h)(1)		
Recordkeeping	Maintenance of medical records		(m)			(b), (d)*	
	Respirator fit testing		(m)				
	Access by OSHA and/or NIOSH					(e)(3)	
Retaliation**	Prohibitions against employer retaliation						29 CFR 1904.36

* Note that 29 CFR 1910.1020 may apply to temperature records. Employers should evaluate the burdens and benefits of maintaining temperature records or asking workers to complete written questionnaires, as both will qualify as medical records if made or maintained by a physician, nurse, or other health care personnel, or technician. If employers do not record workers' temperatures, or if workers' temperatures are recorded but not made or maintained by a physician, nurse, or other health care personnel or technician, the mere taking of a temperature would not amount to a record that must be retained.

** Section 11(c) of the OSH Act states:

(1) No person shall discharge or in any manner discriminate against any employee because such employee has filed any complaint or instituted or caused to be instituted any proceeding under or related to this Act or has testified or is about to testify in any such proceeding or because of the exercise by such employee on behalf of himself or others of any right afforded by this Act.

(2) Any employee who believes that he has been discharged or otherwise discriminated against by any person in violation of this subsection may, within thirty days after such violation occurs, file a complaint with the Secretary alleging such discrimination. Upon receipt of such complaint, the Secretary shall cause such investigation to be made as he deems appropriate. If upon such investigation, the Secretary determines that the provisions of this subsection have been violated, he shall bring an action in any appropriate United States district court against such person. In any such action the United States district courts shall have jurisdiction, for cause shown to restrain violations of paragraph (1) of this subsection and order all appropriate relief including rehiring or reinstatement of the employee to his former position with back pay.

(3) Within 90 days of the receipt of a complaint filed under this subsection the Secretary shall notify the complainant of his determination under paragraph 2 of this subsection.

U.S. Department of Labor

For more information:

OSHA® Occupational Safety and Health Administration

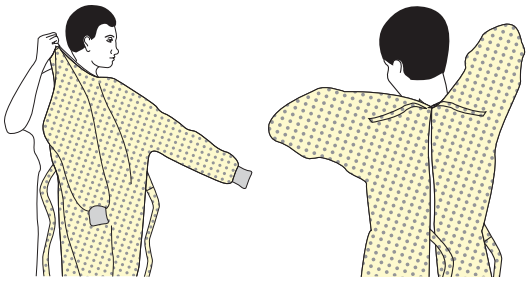
www.osha.gov (800) 321-OSHA (6742)

SEQUENCE FOR PUTTING ON PERSONAL PROTECTIVE EQUIPMENT (PPE)

The type of PPE used will vary based on the level of precautions required, such as standard and contact, droplet or airborne infection isolation precautions. The procedure for putting on and removing PPE should be tailored to the specific type of PPE.

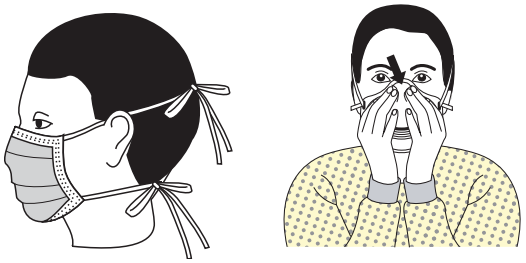
1. GOWN

- Fully cover torso from neck to knees, arms to end of wrists, and wrap around the back
- Fasten in back of neck and waist



2. MASK OR RESPIRATOR

- Secure ties or elastic bands at middle of head and neck
- Fit flexible band to nose bridge
- Fit snug to face and below chin
- Fit-check respirator

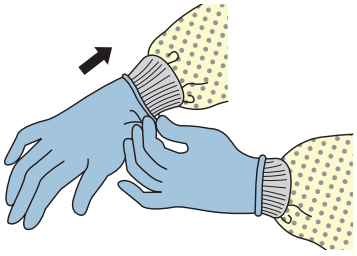


3. GOGGLES OR FACE SHIELD

- Place over face and eyes and adjust to fit

4. GLOVES

- Extend to cover wrist of isolation gown



USE SAFE WORK PRACTICES TO PROTECT YOURSELF AND LIMIT THE SPREAD OF CONTAMINATION

- Keep hands away from face
- Limit surfaces touched
- Change gloves when torn or heavily contaminated
- Perform hand hygiene

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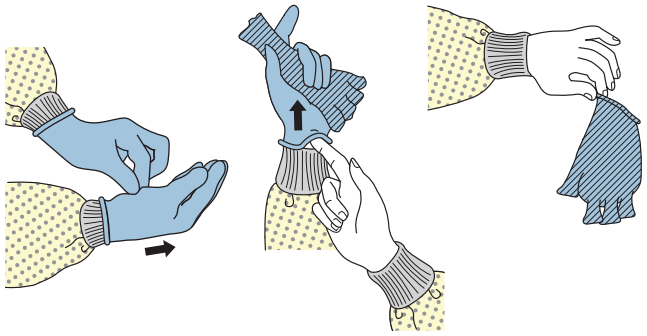
HOW TO SAFELY REMOVE PERSONAL PROTECTIVE EQUIPMENT (PPE) EXAMPLE 1

There are a variety of ways to safely remove PPE without contaminating your clothing, skin, or mucous membranes with potentially infectious materials. Here is one example. **Remove all PPE before exiting the patient room** except a respirator, if worn. Remove the respirator **after** leaving the patient room and closing the door. Remove PPE in the following sequence:

1. GLOVES

- Outside of gloves are contaminated!
- If your hands get contaminated during glove removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Using a gloved hand, grasp the palm area of the other gloved hand and peel off first glove
- Hold removed glove in gloved hand
- Slide fingers of ungloved hand under remaining glove at wrist and peel off second glove over first glove
- Discard gloves in a waste container

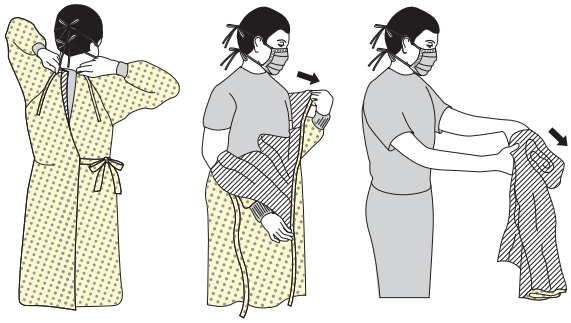


2. GOGGLES OR FACE SHIELD

- Outside of goggles or face shield are contaminated!
- If your hands get contaminated during goggle or face shield removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Remove goggles or face shield from the back by lifting head band or ear pieces
- If the item is reusable, place in designated receptacle for reprocessing. Otherwise, discard in a waste container

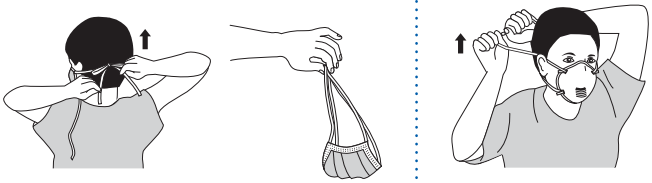
3. GOWN

- Gown front and sleeves are contaminated!
- If your hands get contaminated during gown removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Unfasten gown ties, taking care that sleeves don't contact your body when reaching for ties
- Pull gown away from neck and shoulders, touching inside of gown only
- Turn gown inside out
- Fold or roll into a bundle and discard in a waste container

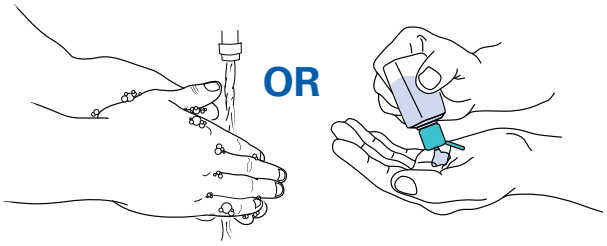


4. MASK OR RESPIRATOR

- Front of mask/respirator is contaminated — DO NOT TOUCH!
- If your hands get contaminated during mask/respirator removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Grasp bottom ties or elastics of the mask/respirator, then the ones at the top, and remove without touching the front
- Discard in a waste container



5. WASH HANDS OR USE AN ALCOHOL-BASED HAND SANITIZER IMMEDIATELY AFTER REMOVING ALL PPE



PERFORM HAND HYGIENE BETWEEN STEPS IF HANDS BECOME CONTAMINATED AND IMMEDIATELY AFTER REMOVING ALL PPE

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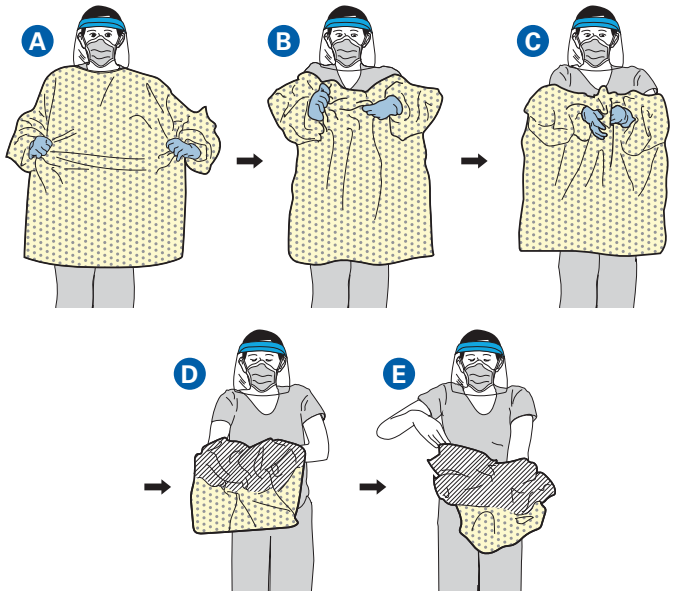
HOW TO SAFELY REMOVE PERSONAL PROTECTIVE EQUIPMENT (PPE) EXAMPLE 2

Here is another way to safely remove PPE without contaminating your clothing, skin, or mucous membranes with potentially infectious materials. **Remove all PPE before exiting the patient room** except a respirator, if worn. Remove the respirator **after** leaving the patient room and closing the door. Remove PPE in the following sequence:

1. GOWN AND GLOVES

- Gown front and sleeves and the outside of gloves are contaminated!
- If your hands get contaminated during gown or glove removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Grasp the gown in the front and pull away from your body so that the ties break, touching outside of gown only with gloved hands
- While removing the gown, fold or roll the gown inside-out into a bundle
- As you are removing the gown, peel off your gloves at the same time, only touching the inside of the gloves and gown with your bare hands. Place the gown and gloves into a waste container

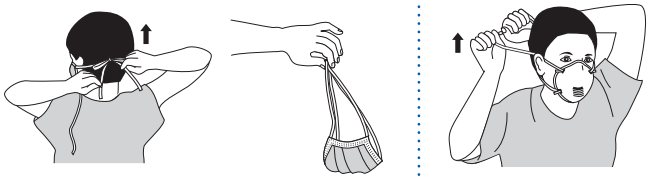


2. GOGGLES OR FACE SHIELD

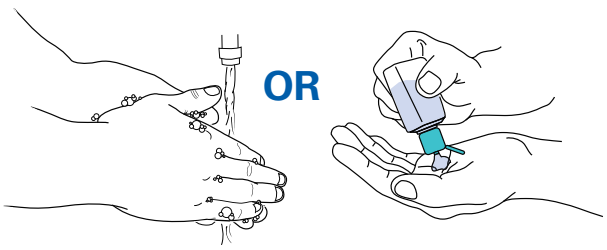
- Outside of goggles or face shield are contaminated!
- If your hands get contaminated during goggle or face shield removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Remove goggles or face shield from the back by lifting head band and without touching the front of the goggles or face shield
- If the item is reusable, place in designated receptacle for reprocessing. Otherwise, discard in a waste container

3. MASK OR RESPIRATOR

- Front of mask/respirator is contaminated — DO NOT TOUCH!
- If your hands get contaminated during mask/respirator removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Grasp bottom ties or elastics of the mask/respirator, then the ones at the top, and remove without touching the front
- Discard in a waste container



4. WASH HANDS OR USE AN ALCOHOL-BASED HAND SANITIZER IMMEDIATELY AFTER REMOVING ALL PPE



PERFORM HAND HYGIENE BETWEEN STEPS IF HANDS BECOME CONTAMINATED AND IMMEDIATELY AFTER REMOVING ALL PPE

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SAFETY DATA SHEET

1. Identification

Product identifier BRUTAB 6S

Other means of identification

Product number 161037 / 161021 / 161034

Recommended use Effervescent disinfectant tablets

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Brulin & Co., Inc.
Address P.O. Box 270
Indianapolis, IN 46206
United States
Telephone Phone: 1.317.923.3211
Fax: 1.317.925.4596
Website www.bhcinc.com
E-mail

Emergency phone number

CHEMTREC	1.800.424.9300
CHEMTREC (International)	1.703.527.3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Acute toxicity, oral	Category 4
Acute toxicity, dermal	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation.

Precautionary statement

Prevention Use only in well-ventilated areas. Avoid breathing dust. Wear safety glasses with side shields (or goggles). Wear protective gloves. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.

Storage Store in a well-ventilated place. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children. Avoid moisture getting into container.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Contact with acids liberates toxic gas.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	% by weight
Dichloroisocyanuric acid, sodium salt		2893-78-9	45 - <50
Adipic acid		124-04-9	35 - <40
Sodium carbonate		497-19-8	10 - <15

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In the event of fire, cool tanks with water spray.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Collect spillage. Sweep up or gather material and place in appropriate container for disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Do not contaminate water.

7. Handling and storage

Precautions for safe handling
Mix only with water. Do not mix with other chemicals. Minimize dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Do not taste or swallow. Provide adequate ventilation. Contamination with moisture, dirt, organic matter or other chemicals or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Keep container dry. Do not store near acids. Contact with acids liberates toxic gas. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Adipic acid (CAS 124-04-9)	TWA	5 mg/m3

Appropriate engineering controls
Keep formation of dusts, particulates and fumes to a minimum. Ensure adequate ventilation, especially in confined areas. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection
If a risk assessment indicates this is necessary, safety glasses with side shields (or goggles) are recommended.

Skin protection

Hand protection
If a risk assessment indicates this is necessary, chemical resistant gloves are recommended.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations
When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	tablet
Physical state	Solid.
Color	white - off white
Odor	slight chlorine
Odor threshold	Not available.
pH	5.5 - 6.5 when diluted
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not Applicable
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.

Solubility(ies)	
Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
VOC	0 % Less exempts and water

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Acids. Alkaline Combustible material. reducing agents The active ingredient in this formulation is a strong oxidizing agent.
Hazardous decomposition products	Chlorine.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. This material is contained in a tablet form, respirable particulates are generally not encountered.
Skin contact	Direct contact with wet material or moist skin may cause severe irritation. Dry material is less irritating than wet material.
Eye contact	Causes serious eye irritation. Dust in the eyes will cause irritation.
Ingestion	Harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. This product is sold in a tablet form.
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Product	Species	Test Results
BRUTAB 6S		
Acute		
Dermal		
LD50	Rabbit	> 4000 mg/kg
Oral		
LD50	Rat	1823 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Health injuries are not known or expected under normal use. Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Respiratory tract irritation. May cause respiratory irritation.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Persistence and degradability The materials used in this preparation will not persist in the environment. Hydrolysis products of cyanuric acid and chloride ion are biodegradable.

Bioaccumulative potential This material does not contain chemicals that have known bioaccumulative potential. Trichloroisocyanuric acid hydrolyses in water liberating chlorine and cyanuric acid. These products are not bioaccumulative.

Partition coefficient n-octanol / water (log Kow)

Adipic acid	0.08

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Pesticide may be acutely hazardous. Wastes resulting from the use of this product must be disposed of on-site, or at an approved waste disposal facility.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose in a sanitary landfill.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Adipic acid (CAS 124-04-9) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

CERCLA (Superfund) reportable quantity, lbs

Adipic acid: 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

FIFRA Information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: EPA Reg# 71847-6

Signal word DANGER

Hazard statement

CORROSIVE
Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	04-22-2014
Revision date	01-15-2018
Version #	09
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

UNIQUAT NEUTRAL DISINFECTANT 256

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 06/19/2020 Version: 2.0

SECTION 1: Identification

Identification

Product form	:	Mixture
Product name	:	UNIQUAT NEUTRAL DISINFECTANT 256
Product code	:	192011 / 161076
Other means of identification	:	EPA Registration Number: 10324-108-106

Recommended use and restrictions on use

Use of the substance/mixture	:	Disinfectant / Food Contact Sanitizer / Non-Food Contact Sanitizer

Supplier

Brulin & Company, Inc.
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.317.923.3211 - F 1.317.925.4596

Emergency telephone number

Emergency number	:	CHEMTREC 1.800.424.9300 or CHEMTREC International: 1.703.527.3887

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4	Combustible liquid
Acute toxicity (oral) Category 4	Harmful if swallowed
Acute toxicity (dermal) Category 4	Harmful in contact with skin
Skin corrosion/irritation Category 1B	Causes severe skin burns and eye damage

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)

Signal word (GHS US):	Danger
Hazard statements (GHS US):	Combustible liquid Harmful if swallowed or in contact with skin Causes severe skin burns and eye damage

Precautionary statements (GHS US)

Prevention:	Do not breathe mist, spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection.
Response:	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER, a doctor if you feel unwell.
Storage:	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal:	Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

No additional information available

Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

Name	Product identifier	Weight (%)
Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	(CAS-No.) 68424-85-1	5 - 10
1-Decanaminium, N,N-dimethyl-N-octyl-, chloride	(CAS-No.) 32426-11-2	5 - 10
TETRASODIUM EDTA	(CAS-No.) 64-02-8	1 - 5
1-Octanaminium, N,N-dimethyl-N-octyl-, chloride	(CAS-No.) 5538-94-3	1 - 5
DIDECYLDIMONIUM CHLORIDE	(CAS-No.) 7173-51-5	1 - 5
Non-Ionic Surfactant*	(CAS-No.) Trade Secret	1 - 5

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

SECTION 4: First-aid measures

Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth out with water. Call a physician immediately.

Most important symptoms and effects (acute and delayed)

Symptoms/effects : Symptoms include: stinging, Swelling, Blurred vision, Redness.

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : Causes severe burns. Redness, pain.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : Harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water fog. Alcohol-resistant foam. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

Specific hazards arising from the chemical

Fire hazard : Under fire conditions closed containers may rupture or explode. Combustible liquid.

Explosion hazard : Combustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe mist, spray.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk. Absorb spilled material with sand or earth. Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe mist, spray.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Incompatible materials : Carbon oxides (CO, CO2). Nitrogen oxides.

SECTION 8: Exposure controls/personal protection

Control parameters

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)
Not applicable

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)
Not applicable

TETRASODIUM EDTA (64-02-8)
Not applicable

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)
Not applicable

DIDECYLDIMONIUM CHLORIDE (7173-51-5)
Not applicable

Non-Ionic Surfactant
Not applicable

Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection:

Chemically resistant protective gloves

Eye protection:

Shall wear safety glasses with side shield or goggles or face shield

Skin and body protection:

Foot protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	clear.
	:	dark green
	:	Fresh Floral
Odor threshold	:	No data available
pH	:	6.1
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	148 °F
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available

Specific gravity / density	:	1.0072
Solubility	:	No data available
Log Pow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
VOC content	:	3.26 %

SECTION 10: Stability and reactivity

Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible materials

Carbon oxides (CO, CO2). Nitrogen oxides.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Harmful in contact with skin.

Acute toxicity (inhalation) : Not classified.

ATE US (oral)	809 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	>20,000 ppm/4h
ATE US (vapors)	>20 mg/l/4h
ATE US (dust, mist)	>5 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 6.1

Serious eye damage/irritation : Not classified.
pH: 6.1

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

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IARC group	Not listed

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Likely routes of exposure : Ingestion. Skin and eye contact. Inhalation.
Symptoms/effects : Symptoms include: stinging, Swelling, Blurred vision, Redness.
Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact : Causes severe burns. Redness, pain.
Symptoms/effects after eye contact : Causes serious eye damage.
Symptoms/effects after ingestion : Harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

SECTION 12: Ecological information

Toxicity

Ecology - general : Toxic to aquatic life.

Persistence and degradability

TETRASODIUM EDTA (64-02-8)	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O_2/g substance
Chemical oxygen demand (COD)	0.54 - 0.58 g O_2/g substance

DIDECYLDIMONIUM CHLORIDE (7173-51-5)	
Persistence and degradability	Readily biodegradable in water.

Bioaccumulative potential

TETRASODIUM EDTA (64-02-8)	
Log Pow	-2.6
Bioaccumulative potential	Not bioaccumulative.

DIDECYLDIMONIUM CHLORIDE (7173-51-5)	
BCF fish 1	81 (Other, 46 day(s), Lepomis macrochirus, Experimental value)
Log Pow	4.66 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Mobility in soil

DIDECYLDIMONIUM CHLORIDE (7173-51-5)	
Surface tension	0.02582 N/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Ecology - soil	No (test)data on mobility of the substance available.

Other adverse effects

No additional information available

SECTION 13: Disposal considerations

Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

US - DOT

Proper Shipping Name (DOT) : Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium Compound)

UN-No.(DOT) : UN1903

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : III - Minor Danger

Hazard labels (DOT) : Corrosive

International shipping – IMDG

Proper Shipping Name (IMDG) : DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary Ammonium Compound)

UN-No. (IMDG) : 1903

Class (IMDG) : Corrosive substances

International – IATA

Proper Shipping Name (IATA) : Disinfectant, liquid, corrosive, n.o.s. (Quaternary Ammonium Compound)

UN-No. (IATA) : 1903

Proper Shipping Name (IATA) : Disinfectant, liquid, corrosive, n.o.s.

Class (IATA) : 8 - Corrosives

Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule.

Non-Ionic Surfactant	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

CANADA

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the Canadian DSL (Domestic Substances List)

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)

Listed on the Canadian DSL (Domestic Substances List)

TETRASODIUM EDTA (64-02-8)

Listed on the Canadian DSL (Domestic Substances List)

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)

Listed on the Canadian DSL (Domestic Substances List)

DIDECYLDIMONIUM CHLORIDE (7173-51-5)

Listed on the Canadian DSL (Domestic Substances List)

Non-Ionic Surfactant

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

TETRASODIUM EDTA (64-02-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

DIDECYLDIMONIUM CHLORIDE (7173-51-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

TETRASODIUM EDTA (64-02-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
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Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

DIDECYLDIMONIUM CHLORIDE (7173-51-5)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Version : 2.0
Revision date : 06/19/2020

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Hunter's Ambulance Service, Inc.

450-478 West Main Street, Meriden, CT 06451 ph. (203) 514-5153 -: - fx. (203) 514-5137

Vehicle Sanitation Protocols

- All vehicles must be sent through the decontamination team after every school run throughout the day
- No vehicle may be taken out without previously running through the decontamination team.
- In between school trips on board staff must wipe down or spray all surfaces throughout the vehicles using citrace or caviwipes or provided equivalent. This includes after one group of students is unloaded and before loading a new group of students.
- All seatbelts, car seats, etc. most be sprayed and wiped down between uses. Students will be assigned to an apparatus on vehicle when applicable. Car seats covers will be washed weekly or as needed throughout the week.
- Staff is to sanitize all high touch point areas after every school trip during a route. This includes but is not limited to handrails, seatbacks and tops, windows, seatbelt buckles, etc. Using the appropriate product based on material.
- Any potential for severe contamination (bodily fluids, etc.) must be reported immediately.

Hunter's Ambulance Service, Inc.

450-478 West Main Street, Meriden, CT 06451 ph. (203) 514-5153 -: - fx. (203) 514-5137

Vehicle Decontamination Procedures

Cleaning methods:
The sprayer shall be used to coat hard, non-porous surfaces with hospital grade cleaner. The cleaner should be left in place for ten (10) minutes prior to being wiped from the surface. Electronics should not be sprayed, but should be wiped with approved disinfectant wipes.
*Should the crew report that they contaminated the inside of a cabinet- Decon all items and inside of cabinet.
Vehicle cleaning process:
1. Close pass-through opening to cab of Vehicle(window or door)

FROM OUTSIDE OF Vehicle:
2. Lay out **TWO** "dirty" tarps and **ONE** "clean" tarp
3. Open all doors on the Vehicle
4. Remove **ALL** gear and place on **DIRTY** tarp a. Stretcher (if applicable) - Remove ALL items from stretcher and place on **DIRTY** tarp
b. Stair Chair, Longboard (Backboard) and Fire Extinguisher – Place on **DIRTY** tarp

ONE DECON MEMBER ENTERS THE Vehicle:
5. Hand ALL remaining equipment to OUTSIDE decon partner. Place equipment on **DIRTY** tarp
6. Close all cabinets
7. Close all exhaust vents
8. Use Caviwipes to clean all harnesses, webbing and electronics
9. Use Caviwipes to clean speakers and square filter grate (Do not soak)
10. Spray back wall of ambulance and airway seat
11. Have second decon member close side doors(or slider door) a. Spray, then have outside decon member reopen door

12. In a three foot section: a. Spray wall starting at the ceiling and down to the floor
b. All cabinet faces and seating positions must be sprayed.
c. Avoid directly spraying onto electronics and openings of cabinets.

13. Spray the ceiling and floor of vehicle in a three foot section
14. Work your way to rear of vehicle repeating the three foot sections
15. Spray rear doors
16. Allow to sit for ten minutes (Move to "**Stretcher cleaning process**" at this time)
17. Rinse sprayed surfaces with clean water
18. Dry all surfaces

19. Move to Step 1 of **"Returning equipment to vehicle"**

OTHER DECON MEMBER COMPLETES THIS PROCESS DURING Vehicle DECON PROCEDURE:
Stretcher Cleaning Process (If applicable)
1. All items should have been remove from the stretcher (STEP 4a-Steps for cleaning ambulance) a. If not, do so now

2. Clean switches and electronics using approved disinfectant wipes a. **NOTE-** DO NOT SPRAY THE SWITCHES OR ELECTRONICS

3. Spray the mattress, side rails and frame.
4. Spray the lower frame of the stretcher including the wheels
5. Allow to sit for 10 minutes (Move to **"Equipment cleaning process"** at this time)
6. Rinse the stretcher with clean water
7. Dry all surfaces

Equipment cleaning process
1. Spray approved disinfectant on all porous materials – DO NOT SOAK
2. Wipe down fire extinguisher with approved disinfectant wipes
3. Wipe down oxygen cylinder and regulator with approved disinfectant wipes
4. Allow to sit for 10 minutes (Move to STEP 17 of **"Vehicle cleaning process"**)

Returning equipment to Vehicle
1. Confirm all surfaces and equipment are clean and dry
2. Return all equipment to racks in Vehicle
3. Secure fire extinguisher to proper holder
4. Secure oxygen tank to stretcher
5. Return stair chair, long board and stretcher to vehicle

New
Britain
Transportation

COVID SAFETY PROTOCOL for BUSES

- Buses will be sprayed and wiped down after AM and PM runs
- Times will be recorded on the DVIRs
- Face coverings will be implemented as per State Reopening guidance

These procedures will be implemented if supplies are able to be procured.

860-828-0511 257 Woodlawn Road, Berlin, CT 06037 Fax 860-828-7658

Email berlin@nbt.us.com

UNIQUAT NEUTRAL DISINFECTANT 256

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 06/19/2020 Version: 2.0

SECTION 1: Identification

Identification

Product form	:	Mixture
Product name	:	UNIQUAT NEUTRAL DISINFECTANT 256
Product code	:	192011 / 161076
Other means of identification	:	EPA Registration Number: 10324-108-106

Recommended use and restrictions on use

Use of the substance/mixture	:	Disinfectant / Food Contact Sanitizer / Non-Food Contact Sanitizer

Supplier

Brulin & Company, Inc.
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.317.923.3211 - F 1.317.925.4596

Emergency telephone number

Emergency number	:	CHEMTREC 1.800.424.9300 or CHEMTREC International: 1.703.527.3887

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4	Combustible liquid
Acute toxicity (oral) Category 4	Harmful if swallowed
Acute toxicity (dermal) Category 4	Harmful in contact with skin
Skin corrosion/irritation Category 1B	Causes severe skin burns and eye damage

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)

Signal word (GHS US):	Danger
Hazard statements (GHS US):	Combustible liquid Harmful if swallowed or in contact with skin Causes severe skin burns and eye damage

Precautionary statements (GHS US)

Prevention:	Do not breathe mist, spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection.
Response:	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER, a doctor if you feel unwell.
Storage:	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal:	Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

No additional information available

Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

Name	Product identifier	Weight (%)
Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	(CAS-No.) 68424-85-1	5 - 10
1-Decanaminium, N,N-dimethyl-N-octyl-, chloride	(CAS-No.) 32426-11-2	5 - 10
TETRASODIUM EDTA	(CAS-No.) 64-02-8	1 - 5
1-Octanaminium, N,N-dimethyl-N-octyl-, chloride	(CAS-No.) 5538-94-3	1 - 5
DIDECYLDIMONIUM CHLORIDE	(CAS-No.) 7173-51-5	1 - 5
Non-Ionic Surfactant*	(CAS-No.) Trade Secret	1 - 5

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

SECTION 4: First-aid measures

Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth out with water. Call a physician immediately.

Most important symptoms and effects (acute and delayed)

Symptoms/effects : Symptoms include: stinging, Swelling, Blurred vision, Redness.

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : Causes severe burns. Redness, pain.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : Harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water fog. Alcohol-resistant foam. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

Specific hazards arising from the chemical

Fire hazard : Under fire conditions closed containers may rupture or explode. Combustible liquid.

Explosion hazard : Combustion products may include the following: carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe mist, spray.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk. Absorb spilled material with sand or earth. Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe mist, spray.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Incompatible materials : Carbon oxides (CO, CO2). Nitrogen oxides.

SECTION 8: Exposure controls/personal protection

Control parameters

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)
Not applicable

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)
Not applicable

TETRASODIUM EDTA (64-02-8)
Not applicable

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)
Not applicable

DIDECYLDIMONIUM CHLORIDE (7173-51-5)
Not applicable

Non-Ionic Surfactant
Not applicable

Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection:

Chemically resistant protective gloves

Eye protection:

Shall wear safety glasses with side shield or goggles or face shield

Skin and body protection:

Foot protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	clear.
	:	dark green
	:	Fresh Floral
Odor threshold	:	No data available
pH	:	6.1
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	148 °F
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available

Specific gravity / density	:	1.0072
Solubility	:	No data available
Log Pow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
VOC content	:	3.26 %

SECTION 10: Stability and reactivity

Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible materials

Carbon oxides (CO, CO2). Nitrogen oxides.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Harmful in contact with skin.

Acute toxicity (inhalation) : Not classified.

ATE US (oral)	809 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	>20,000 ppm/4h
ATE US (vapors)	>20 mg/l/4h
ATE US (dust, mist)	>5 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 6.1

Serious eye damage/irritation : Not classified.
pH: 6.1

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

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IARC group	Not listed

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Likely routes of exposure : Ingestion. Skin and eye contact. Inhalation.
Symptoms/effects : Symptoms include: stinging, Swelling, Blurred vision, Redness.
Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/effects after skin contact : Causes severe burns. Redness, pain.
Symptoms/effects after eye contact : Causes serious eye damage.
Symptoms/effects after ingestion : Harmful if swallowed. Ingestion may cause nausea and vomiting. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

SECTION 12: Ecological information

Toxicity

Ecology - general : Toxic to aquatic life.

Persistence and degradability

TETRASODIUM EDTA (64-02-8)	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O_2/g substance
Chemical oxygen demand (COD)	0.54 - 0.58 g O_2/g substance

DIDECYLDIMONIUM CHLORIDE (7173-51-5)	
Persistence and degradability	Readily biodegradable in water.

Bioaccumulative potential

TETRASODIUM EDTA (64-02-8)	
Log Pow	-2.6
Bioaccumulative potential	Not bioaccumulative.

DIDECYLDIMONIUM CHLORIDE (7173-51-5)	
BCF fish 1	81 (Other, 46 day(s), Lepomis macrochirus, Experimental value)
Log Pow	4.66 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Mobility in soil

DIDECYLDIMONIUM CHLORIDE (7173-51-5)	
Surface tension	0.02582 N/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Ecology - soil	No (test)data on mobility of the substance available.

Other adverse effects

No additional information available

SECTION 13: Disposal considerations

Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

US - DOT

Proper Shipping Name (DOT) : Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium Compound)

UN-No.(DOT) : UN1903

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : III - Minor Danger

Hazard labels (DOT) : Corrosive

International shipping – IMDG

Proper Shipping Name (IMDG) : DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary Ammonium Compound)

UN-No. (IMDG) : 1903

Class (IMDG) : Corrosive substances

International – IATA

Proper Shipping Name (IATA) : Disinfectant, liquid, corrosive, n.o.s. (Quaternary Ammonium Compound)

UN-No. (IATA) : 1903

Proper Shipping Name (IATA) : Disinfectant, liquid, corrosive, n.o.s.

Class (IATA) : 8 - Corrosives

Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule.

Non-Ionic Surfactant	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

CANADA

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the Canadian DSL (Domestic Substances List)

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)

Listed on the Canadian DSL (Domestic Substances List)

TETRASODIUM EDTA (64-02-8)

Listed on the Canadian DSL (Domestic Substances List)

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)

Listed on the Canadian DSL (Domestic Substances List)

DIDECYLDIMONIUM CHLORIDE (7173-51-5)

Listed on the Canadian DSL (Domestic Substances List)

Non-Ionic Surfactant

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

TETRASODIUM EDTA (64-02-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

DIDECYLDIMONIUM CHLORIDE (7173-51-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

1-Decanaminium, N,N-dimethyl-N-octyl-, chloride (32426-11-2)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
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1-Octanaminium, N,N-dimethyl-N-octyl-, chloride (5538-94-3)

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Listed on the TCSI (Taiwan Chemical Substance Inventory)

DIDECYLDIMONIUM CHLORIDE (7173-51-5)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Version : 2.0
Revision date : 06/19/2020

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.