

# HOW TO: TALK TO YOUR CHILD'S SCHOOL ABOUT SAFER DISINFECTANTS



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# PURPOSE

Keeping kids safe and healthy at school is a top priority for educators, administrators, and — of course — parents and guardians. But while teachers prioritize the health of our students, many of the disinfecting products used at our schools often contain harmful chemicals that can actually put our children's health at risk.

Thankfully, there are numerous products that are safer and just as effective at killing bacteria and viruses — including COVID-19.

This toolkit is designed to help start the conversation with your children's caregivers, educators and school administrators about harmful cleaners and disinfectants — while also providing helpful resources, sensible solutions and best-practice protocols that will reduce exposures to toxic chemicals, and help keep not only our kids, but our educators and school staff, healthy and safe.

# Sample Letter

The CDC has recently changed their recommendations for using disinfectants to combat COVID-19. This letter reflects these new guidelines.

Hello [Name of School district administrator],

My name is [Insert your Name] and I am a parent to a child who currently goes to [Insert School's Name]. I am writing to learn more about our school's plans for cleaning and disinfecting in the fall.

Last year, many schools (including ours) vastly ramped up cleaning and disinfecting protocols in response to the COVID-19 pandemic. This effort was largely based on the best advice available at the time from the Centers for Disease Control (CDC) which was to "clean and disinfect" surfaces frequently. This advice unfortunately resulted in significantly increased costs for cleaning and disinfecting labor and materials as well as increased exposure to harsh disinfectant chemicals to custodians, teachers and students. Disinfectant chemicals have the potential to cause skin and eye burns, headaches, exacerbate asthma and more.[1] In the end, the increased disinfecting (above and beyond regular cleaning) likely added little to no benefit in preventing outbreaks or protect health.

I am writing to make you aware that the CDC guidance for cleaning and disinfecting for schools and other facilities has been updated this spring.[2] The new guidance is based on a CDC Science Brief published on April 5, 2021,[3] which determined that the principal way people were infected with Covid was through respiratory exposure. The Science Brief found that the risk of being infected through a contaminated surface is roughly a 1 in 10,000 chance. The new guidance puts the emphasis on cleaning rather than disinfecting as the most effective strategy for sanitation of surfaces. The new guidelines only recommend disinfecting when certain higher risk conditions apply.

Specifically, the CDC guidance now states:

"Cleaning and promoting hand hygiene are important everyday actions schools can take to slow the spread of COVID-19 and other infectious diseases and protect students and staff.

Cleaning with products containing soap or detergent reduces germs on surfaces and objects by removing contaminants and may also weaken or damage some of the virus particles, which decreases risk of infection from surfaces. Cleaning high touch surfaces and shared objects once a day is usually enough to sufficiently remove virus that may be on surfaces unless someone with confirmed or suspected COVID-19 has been in your school."[4]

Disinfecting is only recommended in higher risk situations such as when there is high transmission of COVID-19 in the community, a space is occupied by people at increased risk of severe illness from COVID, or when there has been a case of someone with COVID in the school within the last 24 hours.

Regular and frequent hand hygiene is still highly recommended by the CDC as an effective measure to prevent transmission of infection as well. Hand hygiene has been proven to reduce the spread of colds, and gastrointestinal illnesses in schools as well.

These new guidelines provide a common-sense approach to keeping our school clean and our staff and students safe and healthy. They also present an opportunity for potential cost-savings with respect to purchasing of disinfectants, and the time/labor of applying them frequently.

I was particularly concerned this year with the health impacts from [enter specific concerns you had at your school such as:

- the overall increased use of disinfectants and the exposure to my child
- the use of quat-based disinfectants, rather than safer active ingredients
- the practice of requiring students to disinfect their own classroom spaces
- the use of disinfectant sprayers/foggers in the school
- the exposure from frequent disinfectant use on the school bus]

I would like to know how our school plans to alter its cleaning and disinfection protocols in the fall in response to the new CDC guidance. There is an opportunity now to reflect on the past year's practices and to implement safer, healthier and potentially less-expensive protocols for the fall.

I'm happy to set up a time to talk or help in any way in developing a policy that requires less use of disinfectants in our schools for the safety and health of both students and staff.

Thank you, [Insert your name] [Insert the best way to contact you]

Access this letter online at: <https://www.womensvoices.org/sample-letter-for-schools-quit-the-quats/>

[1]<https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/OHBAWRAPP/CDPH%20Document%20Library/CLASSMicrofiberTeachers.pdf> [2]<https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/clean-disinfect-hygiene.html> [3]U.S. Centers for Disease Control (CDC) Science Brief: SARS-CoV-2 and Surface (Fomite) Transmission for Indoor Community Environments. Apr 5, 2021. Available at: <https://www.cdc.gov/coronavirus/2019-ncov/more/science-and-research/surface-transmission.html#ref7> [4] U.S. Centers for Disease Control (CDC) Cleaning, Disinfection, and Hand Hygiene in Schools – a Toolkit for School Administrators. Apr. 16, 2021. Available at: <https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/clean-disinfect-hygiene.html>

# Effectiveness of Hand washing



It may be difficult to sanitize or disinfect surfaces in schools frequently enough to effectively protect health. Washing hands frequently on the other hand may be both the simpler and more effective strategy.

In order for handwashing in schools to be most effective, time must be built into the student's daily schedule to allow for it. A daily handwashing routine that all students must follow at the beginning and end of the day (as well as at lunchtime) are key elements of an effective handwashing program.

## A study found that hand hygiene was more important than clean classrooms.

- The study measured the levels of bacteria found on children's hands and on highly touched surfaces in childcare classrooms. They found that the more bacteria detected on a child's hands (i.e how dirty they were) the more likely they were to get sick with a cold or flu. However, a child's risk of getting sick was not associated with how much bacteria was found on the surfaces in their classrooms.

*Cleaner classroom surfaces with less bacteria simply made no effective difference in the number of kids getting sick.[1]*

- **AVOID antibacterial & fragranced soap**
- **Use hand-sanitizer ONLY if soap & water are not available**

**Research has found that children who wash their hands at least five times per day are significantly less likely to get the flu over the course of the flu season.[2]**

[1]Julian TR, Pickering AJ, Leckie JO, Boehm AB. Enterococcus spp on fomites and hands indicate increased risk of respiratory illness in child care centers. Am J Infect Control. 2013;41(8):728-733. doi:10.1016/j.ajic.2012.10.013

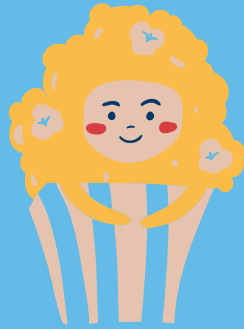
[2]Torner N, Soldevila N, Garcia JJ, et al. Effectiveness of non-pharmaceutical measures in preventing pediatric influenza: a case-control study. BMC Public Health. 2015;15:543. Published 2015 Jun 9. doi:10.1186/s12889-015-1890-3

# When to wash your hands?



*Washing hands can keep you healthy and prevent the spread of infections from one person to the next.*

**Before eating food**



**Before touching your eyes, nose, or mouth**



**After using the toilet**

**After blowing your nose, coughing, or sneezing**



**After touching an animal**



**After you have been in a public place and touched an item or surface that may be frequently touched by other people, such as door handles, tables, screens, etc.**



**After touching garbage**

# Disinfecting Wipes Warnings



Many popular disinfectant wipes (such as the ones made by Clorox and Lysol) **contain harsh chemicals that can cause acute side effects like skin and eye irritation.**

These chemicals are skin irritants[1], can irritate your lungs [2], and have been **linked to asthma and reproductive harm[3].**

The overuse of quats can also lead to the promotion of antibacterial-resistant bacteria (“superbugs”)[4,5]. There’s a reason that the fine print on the package frequently recommends that you **keep these products away from children and wash your hands immediately after use!**

Disinfectant chemicals called quaternary ammonium compounds **“quats”, commonly found in wipes are especially problematic.**

## DID YOU KNOW?

There is no evidence that shows using disinfecting wipes, sprays, or antibacterial soaps are any more effective at preventing illness in the classroom than washing with regular soap and water.

## AVOID

Avoid disinfectant wipes including quaternary ammonium compounds **“quats”** as the active ingredient— found on the label with names like:

- Benzalkonium chloride
- Benzethonium chloride
- Alkyl dimethyl benzyl ammonium chlorides (C12-16)
- Alkyl dimethyl benzyl ammonium chloride (C14 60%, C16 30%, C12 5%, C18 5%)
- Alkyl dimethyl ethylbenzyl ammonium chloride (C12-14)
- Alkyl dimethyl ethylbenzyl ammonium chlorides (C12-18)
- Didecyldimethylammonium chloride
- Dioctyldimethylammonium chloride

[1] Basketter, DA (2004) Strong irritants masquerading as skin allergens: the case of benzalkonium chloride. *Contact Dermatitis*. Vol.50, No. 4: 213-7. April 2004.

[2] Preller, L. (1995) Lung function and chronic respiratory symptoms of pig farmers: focus on exposure to endotoxins and ammonia and use of disinfectants. *Occupational and Environmental Medicine*. Vol. 52: 654-660. (1995). J.A. Bernstein et al. (1994). A combined respiratory and cutaneous hypersensitivity syndrome induced by work exposure to quaternary amines. *Journal of Allergy and Clinical Immunology*, August 1994, vol. 94, no. 2, Part 1, 257-59. Jajosky, RA et al. (1999) Surveillance of Work-Related Asthma in Selected U.S. States Using Surveillance Guidelines for State Health Departments – California, Massachusetts, Michigan, and New Jersey, 1993-95. *MMWR* 1999;48 (No. SS-3) June 25, 1999.

[3] Melin VE, Potinini H, Hunt P, Griswold J, Siems B, Werre SR, and Hrubec TC (2014) Exposure to common quaternary ammonium disinfectants decreases fertility in mice. *Reproductive Toxicology*; 50: 163-170. December 2014. Melin VE, Melin TE, Dessify BJ, Nguyen CT, Shea CS, and Hrubec TC (2016) Quaternary ammonium disinfectants cause subfertility in mice by targeting both male and female reproductive processes. *Reproductive Toxicology*; 59: 159-166. December 2016. Hrubec TC, Melin VE, Shea CS, Ferguson EE, Garofola C, Repine CM, Chapman TW, Patel HR, Razi RM, Sugrue JE, Potinini H, Magnin-Bissel G, and Hunt PA (2017) Ambient and Dosed Exposure to Quaternary Ammonium Disinfectants Causes Neural Tube Defects in Rodents. *Birth Defects Research* 109:1166-1178, 2017.

[4] Zou L, Meng J, McDermott PF, Wang F, Yang Q, Cao G, Hoffmann M, Zhao S. (2014) Presence of disinfectant resistance genes in *Escherichia coli* isolated from retail meats in the USA. *Journal of Antimicrobial Chemotherapy*. 69(10):2644-9. October 2014. Sundheim G, Langsrud S, Heir E, and Holck AL (1998) Bacterial resistance to disinfectants containing quaternary ammonium compounds. *Holck International Biodeterioration & Biodegradation*. Volume 41, Issues 3-4, pp: 235-239. 1998. Duran N, Temiz M, Duran GG, Eryilmaz N, and Jenedi K. (2014) Relationship between the resistance genes to quaternary ammonium compounds and antibiotic resistance in staphylococci isolated from surgical site infections. *Medical Science Monitor*. 2:20:544-50. April 2014.

[5] <https://www.womensvoices.org/2020/03/30/safer-disinfecting-at-home-in-the-times-of-coronavirus/#fml0>

# Disinfecting Wipes Warnings



If the school or teacher decides to use disinfecting wipes containing quats in the classroom, **ensure the following guidelines:**

- Verify children do not have access to the disinfecting wipes.
- Do not allow (or instruct) children to use disinfecting wipes to clean their desks.
- If necessary, ask children to clean their desks instead with soap & water and a cloth or paper towel.
- Disinfect surfaces with a wipe after cleaning, when children are not present.
- The best time to wipe is when the children have left and are not returning to their desks until the next day to reduce exposure to residue.

Look instead for safer disinfectant wipes with active ingredients such as hydrogen peroxide, alcohol, or thymol.

Several products (including some wipes) containing these safer disinfectant ingredients have been approved for use against Coronavirus by the U.S. EPA[6].

## IMPORTANT

- The Center for Disease Control (CDC) continues to recommend people prioritize wearing masks, vaccines, social distancing and hand-washing.
- Avoid anti-bacterial soaps and alcohol-free hand sanitizers which may contain quats.
- Schools should be working with their medical advisors and states to comply with regulations, and institute hand-washing protocols.

## REMEMBER!

In order for disinfectants to work properly, surfaces must be clean of grime, and remain wet for the duration of the disinfectant's wait-time (these can vary anywhere from 30 secs. to 10 mins.).



# Safer Disinfectants

## EPA Certified Disinfectants to be Used Against COVID-19



The majority of the popular disinfectants contain either quaternary ammonium chlorides (quats) or chlorine bleach. Both types of disinfectants are potent against a number of different bacteria and viruses. Unfortunately, they also have some **significant drawbacks and health concerns ranging from chemical burns to reproductive harm.**

However, there are alternative disinfectant chemicals that are as effective (or more) in killing viruses and other germs without these health hazards, such as:

- alcohol/ethanol/isopropanol
- citric acid
- hydrogen peroxide
- thymol
- lactic acid

Several products containing these safer disinfectant ingredients have been approved for use against Coronavirus by the U.S. EPA.

To find these products you can use the **EPA List N webtool**; an app that enables people to quickly identify disinfectant products that meet EPA's criteria for use against COVID-19. Search the List N by active ingredient (like hydrogen peroxide) to find safer options.

OR **simply reference the table of products in this document**, that are both safer and approved by the EPA to use against Coronavirus.

## Health & Safety Concerns: Quats and Bleach in Disinfectants

### Health Hazards of Quats



Quats are inexpensive and are potent against numerous infectious agents. But there is reason for concern about the use and overuse of quats:

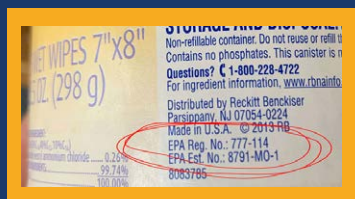
- Quats are potent skin irritants and can cause rashes and dermatitis.
- Quats can irritate your lungs leading to breathing problems.
- Cleaning workers exposed regularly to quats have developed occupational asthma.
- Quats are linked to reproductive harm, potentially affecting fertility, and possibly leading to birth defects.
- Widespread use of quats is contributing to the global problem of antimicrobial resistance, leading to the development of "superbugs" that cannot be controlled with antibiotics.

### Health Hazards of Chlorine Bleach

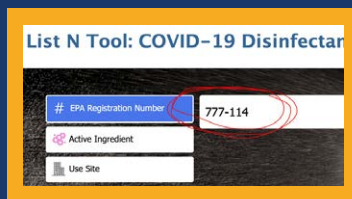
- Chlorine bleach is a significant lung and eye irritant.
- Extended chlorine bleach exposure can cause chemical burns on skin.
- It is the leading cause of chemical eye injuries in children in the U.S.. in the category of cleaning products.
- It is also the leading cause of calls to Poison Control for the category of cleaning products, resulting in the greatest number of moderate to severe health outcomes.

Want to know more about the safety and effectiveness of a disinfectant? Here's how to search for it using the EPA List N.

**1. LOCATE** the EPA registration number on the label.



**2. GO TO** EPA List N [<https://bit.ly/3f04b6T>] click LAUNCH & search by the EPA reg number.



**3. REVIEW** your results, specifically the "Active Ingredient(s)".

| EPA Registration Number | Active Ingredient(s) | Product Name                            | Company               |
|-------------------------|----------------------|---|-----------------------|
| 777-114                 | Quaternary ammonium  | Lysoil® Disinfecting Wipes (All Scents) | Reckitt Benckiser LLC |

*NOTE: In this example, the product's active ingredient is quaternary ammonium (quats), which are linked to health concerns.*

*Products containing quats should be avoided.*

The lists below are from the San Francisco Department of the Environment (SFE) and show disinfectants that contain safer active ingredients and are approved by US EPA for COVID-19. The list also notes SFE screened products and products that are included in the US EPA's Design for the Environment (DfE) program. **For EPA Dfe products, all ingredients (not just "active" ingredients) are considered least hazardous.**

### List of Safer Disinfectants: Residential & Small Business Use

| Dfe | SFE | Product Name  | Contact Time (in minutes) | EPA Registration Number* |
|-----|-----|---|---------------------------|--------------------------|
| YES | YES | ECOS One-step Disinfectant Cleaner  | 5                         | 34810-35                 |
| YES | YES | Lemi Shine Disinfecting Wipes   | 3                         | 34810-37                 |
| YES | YES | Lysol Multi-Purpose Cleaner with Hydrogen Peroxide Lysol Cleaner (Citrus) | 10                        | 777-126                  |
|     | YES | Arm & Hammer Essentials Disinfecting Wipes                                | 5                         | 95337-1                  |
|     | YES | Beaumont's Citrus Magic Multi-Purpose Disinfectant Cleaner                | 10                        | 85873-4                  |
|     | YES | Bona PowerPlus Antibacterial Surface Cleaner                              | 10                        | 85873-4                  |
|     | YES | Bona PowerPlus Hard Surface Floor Cleaner (Antibacterial Formula)         | 10                        | 84683-4                  |
|     | YES | Boulder Clean   | 10                        | 34810-35                 |
|     | YES | Cleanwell Botanical Disinfecting Wipes                                    | 10                        | 84683-4                  |
|     | YES | CRC Multi-Surface Disinfecting Cleaner                                    | 10                        | 85837-4                  |
|     | YES | Honest Disinfecting Spray   | 10                        | 85837-4                  |
|     | YES | Katzkin Md Multi-Surface Disinfectant                                     | 10                        | 35810-25                 |
|     | YES | Manduka Botanical Disinfecting Cleaner                                    | 10                        | 35810-25                 |
|     | YES | Method Antibac All-Purpose Cleaner  | 10                        | 75277-2                  |
|     | YES | Quick Shine Disinfectant Floor Cleaner                                    | 10                        | 85837-4                  |
|     | YES | SC Johnson Windex Multi-Surface Disinfectant Sanitizer Cleaner            | 10                        | 4822-593                 |
|     | YES | Seventh Generation Disinfecting Bathroom Cleaner Lemongrass Citrus Scent  | 10                        | 84683-3                  |
|     | YES | Seventh Generation Disinfecting Multi-Surface Cleaner                     | 10                        | 84683-3                  |
|     |     | Bona PowerPlus Antibacterial Hard-Surface Floor Cleaner                   | 10                        | 91861-2                  |
|     |     | Clorox 4 in One Disinfecting Spray  | 5                         | 67619-29                 |
|     |     | Clorox Fabric Sanitizer   | 0                         | 5813-110                 |
|     |     | Clorox Fabric Sanitizer1 (aerosol)  | 5                         | 67619-29                 |
|     |     | CloroxPro Disinfecting Bio Stain & Odor Remover                           | 0                         | 67619-33                 |
|     |     | Clorox Pro 4 in One Disinfectant & Sanitizer, Lavender                    | 5                         | 67619-29                 |
|     |     | Grove Co. All-Purpose Disinfectant Cleaner                                | 10                        | 85837-4                  |

| Dfe | SFE | Product Name  | Contact Time (in minutes) | EPA Registration Number* |
|-----|-----|---|---------------------------|--------------------------|
|     |     | Lysol Foaming Bathroom Cleaner Mango & Hibiscus Scent | 5                         | 675-55                   |
|     |     | Lysol Neutra Air 2-in-1 Tropical Breeze               | 0                         | 777-136                  |
|     |     | Smitty's Sea-wash All-Purpose Disinfectant Cleaner    | 10                        | 85837-4                  |
|     |     | Zep Ready-to-Use Peroxide Disinfectant                | 1                         | 6836-385                 |

## List of Safer Disinfectants: Custodial & Large Institutions

| Dfe | SFE | Product Name   | Contact Time (in minutes) | EPA Registration Number* |
|-----|-----|--|---------------------------|--------------------------|
| YES | YES | Contact Citric Acid Disinfectant                                 | 3                         | 34810-37                 |
| YES | YES | Diversey Accel 5 RTU   | 5                         | 74559-8                  |
| YES | YES | ECOS Multi-Purpose Disinfectant Wipes, fresh citrus              | 3                         | 34810-37                 |
| YES | YES | ECOS Pro Multi-Purpose Disinfectant & Sanitizer, fresh citrus    | 5                         | 34810-35                 |
| YES | YES | Purell Food Service Surface Sanitizer                            | 0                         | 84368-1                  |
| YES | YES | Purell Healthcare Surface Disinfectant                           | 0                         | 84368-1                  |
| YES | YES | Purell Professional Surface Disinfectant                         | 0                         | 84368-1                  |
| YES | YES | Wexford Cleanside RTU  | 3                         | 34810-37                 |
|     | YES | Benefect Botanical Decon 30 Disinfectant                         | 5                         | 84683-3                  |
|     | YES | Benefect Botanical Disinfectant                                  | 10                        | 84683-1                  |
|     | YES | Benefect Botanical Disinfectant Wipes                            | 10                        | 84683-4                  |
|     | YES | Clorox Commercial Solutions 4 in One Disinfectant & Sanitizer    | 5                         | 67619-29                 |
|     | YES | Clorox Commercial Solutions Hydrogen Peroxide Disinfecting Wipes | 0                         | 67619-25                 |
|     | YES | Clorox Healthcare Citrace Hospital Disinfectant & Deodorizer     | 5                         | 67619-29                 |
|     | YES | Clorox Healthcare Hydrogen Peroxide Disinfectant Wipes           | 0                         | 67619-25                 |
|     | YES | Clorox Healthcare Hydrogen Peroxide Disinfectant Cleaner         | 0                         | 67619-24                 |
|     | YES | Clorox Hydrogen Peroxide Disinfectant Cleaner                    | 0                         | 67619-24                 |
|     | YES | Diversey Oxivir 1  | 1                         | 70627-74                 |
|     | YES | Diversey Oxivir 1 Wipes  | 1                         | 70627-77                 |
|     | YES | Diversey Oxivir Tb   | 1                         | 70627-56                 |
|     | YES | Diversey Oxivir Tb Wipes   | 1                         | 70627-60                 |

| DfE | SFE | Product Name   | Contact Time (in minutes) | EPA Registration Number* |
|-----|-----|--|---------------------------|--------------------------|
|     | YES | Ecolab Peroxide Disinfectant & Glass Cleaner RTU                     | 0                         | 1677-251                 |
|     | YES | Ecolab Peroxide Multi Surface Cleaner and Disinfectant (Concentrate) | 0                         | 1677-238                 |
|     | YES | Ecolab Sink & Surface Cleaner Sanitizer                              | 0                         | 1677-260                 |
|     | YES | Hillyard Citrus Disinfectant   | 3                         | 34810-37                 |
|     | YES | Midlab Bright Solutions Hb202  | 1                         | 45745-11                 |
|     | YES | Midlab Maxim Facility +  | 1                         | 45745-11                 |
|     | YES | Procter & Gamble Comet Disinfecting-Sanitizing Bathroom Cleaner      | 10                        | 3573-54                  |
|     | YES | Prorstore Botaniclean  | 10                        | 34810-25                 |
|     | YES | Scott 24 Hour Sanitizing Wipes                                       | 6                         | 9402-17                  |
|     | YES | Seventh Generation Professional Disinfectant Spray                   | 10                        | 84683-3                  |
|     | YES | Seventh Generation Professional Disinfecting Bathroom Cleaner        | 10                        | 84683-3                  |
|     | YES | Seventh Generation Professional Disinfecting Kitchen Cleaner         | 10                        | 84683-3                  |
|     | YES | Us Chemical Shurguard HP   | 5                         | 70627-62                 |
|     | YES | Us Chemical Shurguard HP RTU   | 1                         | 70627-56                 |
|     | YES | Victory Bay Peroxide Disinfectant Cleaner                            | 1                         | 45745-11                 |
|     | YES | Virox Technologies / Contec Preempt Wipes                            | 1                         | 74559-3                  |
|     | YES | Waxie Edc 70 Hp Disinfectant Cleaner                                 | 1                         | 45745-11                 |
|     | YES | Waxie Hp Disinfectant Cleaner  | 1                         | 45745-11                 |
|     | YES | Waxie Solsta 730 Hp Disinfectant Cleaner                             | 1                         | 45745-11                 |
|     | YES | Wexford Home Everyday Cleaner  | 10                        | 34810-25                 |
|     |     | Bioesque Botanical Disinfectant Solution                             | 1                         | 87742-1                  |
|     |     | Clorox Commercial Solutions Disinfecting Bio Stain & Odor Remover    | 0                         | 67619-33                 |
|     |     | CloroxPro Disinfecting Bio Stain & Odor Remover, Spray               | 0                         | 67619-33                 |
|     |     | Curis CUroxide   | 30                        | 93324-1                  |
|     |     | Diamond Shine Disinfectant 360                                       | 10                        | 85837-4                  |
|     |     | Diversey Oxivir Five 16 Concentrate                                  | 5                         | 70627-58                 |
|     |     | Echem Hyper Disinfectant RTU   | 1                         | 6836-385                 |
|     |     | Ecolab Virasept  | 4                         | 1677-226                 |
|     |     | Keystone/Sysco/Ecolab Surface Cleaner Sanitizer RTU                  | 0                         | 1677-259                 |
|     |     | KicTeam Disantech  | 3                         | 34810-37                 |

| DfE | SFE | Product Name   | Contact Time (in minutes) | EPA Registration Number* |
|-----|-----|--|---------------------------|--------------------------|
|     |     | KicTeam Disantech Wipes  | 5                         | 34810-36                 |
|     |     | Neogen Companion Disinfectant Wipes  | 5                         | 34810-36                 |
|     |     | PDI Sani-Hypercide Germicidal Spray  | 1                         | 9480-14                  |
|     |     | Peroxigard Concentrate One Step Disinfectant Cleaner & Deodorizer For Use in Life Sciences                                     | 5                         | 74559-4                  |
|     |     | Pronatural LEXX Disinfectant & Cleaning Solution   | 10                        | 91452-1                  |
|     |     | Purworld Ready-to-Use Fresch   | 10                        | 34810-25                 |
|     |     | SC Johnson Professional Windex Multi-Surface Disinfectant Sanitizer Cleaner  | 5                         | 4822-592                 |
|     |     | Scican Optim Tb  | 1                         | 74559-1                  |
|     |     | Scican Optim Tb Wipes  | 1                         | 74559-3                  |
|     |     | Sono Hydrogen Peroxide Disinfectant  | 1                         | 6836-385                 |
|     |     | Vapor Fresh Disinfecting Gym Wipes   | 5                         | 34810-36                 |
|     |     | Virox Animal Health Rescue Concentrate One Step Disinfectant Cleaner & Deodorizer  | 5                         | 74559-4                  |
|     |     | Virox Technologies / Contec Preempt Concentrate  | 5                         | 74559-4                  |
|     |     | Virox Technologies / Contec Preempt RTU  | 1                         | 74559-1                  |
|     |     | Virox Technologies Intervention Farm Animal Care Disinfectant Cleaner & Deodorizer   | 5                         | 74559-4                  |
|     |     | Virox Technologies Rejuvenate Concentrate One-Step Disinfectant Cleaner for Use in Spas, Salons And Clinics                    | 5                         | 74559-4                  |
|     |     | Virox Technologies Rejuvenate Concentrate Ready to Use Disinfectant Cleaner for Use in Spas, Salons And Clinics                | 1                         | 74559-1                  |
|     |     | Virox Technologies Rejuvenate Concentrate Ready to Use Wipes One-Step Disinfectant Cleaner for Use in Spas, Salons And Clinics | 1                         | 74559-3                  |

\*Note: There may be more than one product name associated with an EPA registration number. Every disinfectant product label will include its EPA registration number – if the number on your product matches one on this list, the product is certified by EPA to be effective against COVID-19.

# CONTACT US

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