

SAFER DISINFECTANTS ON EPA'S LIST OF RECOMMENDED ANTIMICROBIAL PRODUCTS FOR USE AGAINST NOVEL HUMAN CORONAVIRUS

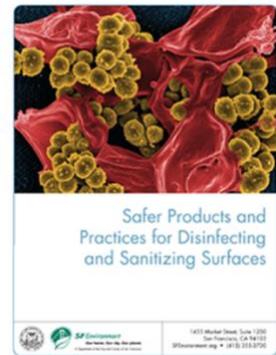
Responsible Purchasing Network

March 2020

Because there is an urgent need for clear and consistent information about cleaning, disinfecting and sanitizing practices that are most likely to remove and kill COVID-19, it is critically important for all of us to follow the guidance issued by the US Environmental Protection Agency (EPA) and CDC.

The US Environmental Protection Agency (EPA) has published – and [List N: EPA's Registered Antimicrobial Products for Use Against Novel Coronavirus SARS-CoV-2, the Cause of COVID-19](#). List N includes over 350 EPA-registered disinfecting products that, according to EPA “have qualified under [its] [emerging viral pathogen program](#) for use against SARS-CoV-2, a coronavirus that causes COVID-19. Coronaviruses are enveloped viruses, meaning they are one of the easiest types of viruses to kill with the appropriate disinfectant product.”

The Responsible Purchasing Network has identified and is promoting products on EPA's List N that are the safest from the perspective of protecting human health and the environment from toxic risks because they contain only antimicrobial ingredients (such as hydrogen peroxide, ethanol, or citric acid) that are not known to cause occupational asthma or cancer. These surface disinfectants can often replace chlorine bleach or quaternary ammonium chloride compounds, which have been linked to these adverse human health effects.



EPA's List N includes several of the safer hydrogen peroxide-based “safer” surface disinfectants that are recommended in San Francisco's [Safer Products and Practices for Disinfecting and Sanitizing Surfaces](#) report, which RPN helped to develop. These include, but are not limited to:

- [Clorox Commercial Solutions® Hydrogen Peroxide Disinfecting Cleaner](#) and [Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant](#) ([EPA Registration No. 67619-24](#)) a ready-to-use liquid with efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 1-minute contact time.
- [Clorox Commercial Solutions® Hydrogen Peroxide Cleaner Disinfectant Wipes](#) and [Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant Wipes](#) ([EPA Registration No. 67619-25](#)), which have efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 1-minute contact time.



- **Diversey’s Oxivir TB Ready-to-Use Liquid** ([EPA Registration No. 70627-56](#)), a ready-to-use liquid with efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 1-minute contact time. (A similar product on List N is **Virox Technology’s Accel TB Ready-to-Use Liquid**, [EPA Registration No. 74559-1](#).)
- **Diversey’s Oxivir Wipes** ([EPA Registration No. 70627-60](#)), which have efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 1-minute contact time. (A similar product on List N is **Virox Technology’s Accel TB Wipes**, [EPA Registration No. 74559-3](#).)
- **Diversey’s Oxivir Five 16 (registered under the name Oxy-Team Disinfectant)** ([EPA Registration No. 70627-58](#)), which is a dilutable (1:16) liquid concentrate with efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 5-minute contact time.

Oxivir Ready-to-use disinfectant cleaners



Claims Overview*	Oxivir® 1 RTU	Oxivir® 1 Wipes	Oxivir® Tb RTU	Oxivir® Tb Wipes	Oxivir® Five 16
Gram Positive Bacteria	1 Minute	1 Minute	1 Minute	1 Minute	5 Minutes
Gram Negative Bacteria	1 Minute	1 Minute	1 Minute	1 Minute	5 Minutes
Tuberculocidal	1 Minute	1 Minute	5 Minutes	5 Minutes	N/A
Enveloped Virus	30 Sec - 1 Minute	30 Sec - 1 Minute	1 Minute	1 Minute	5 Minutes
Non-Enveloped Virus	30 Sec - 1 Minute	30 Sec - 1 Minute	1 Minute	1 Minute	5 Minutes
Fungicidal	1 Minute	1 Minute	10 Minutes	10 Minutes	10 Minutes
Non-Food Contact Sanitizer	10 Seconds	10 Seconds	30 Seconds	30 Seconds	30 Seconds 1:16; 3 Min at 1:128
Soft Surface Sanitizer	30 Seconds	N/A	30 Seconds	N/A	N/A

*For claims on specific organisms contact your Diversey representative or visit solutionsdesignedforhealthcare.com

- **Diversey’s Alpha HP Multi-Surface Disinfectant Cleaner (registered under the name Phato 1:64 Disinfectant Cleaner)** ([EPA Registration No. 70627-62](#)), which is a dilutable (1:64) liquid concentrate with efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 5-minute contact time.



- **Lysol Disinfecting Bathroom Cleaner** ([EPA Registration No. 675-55](#)), which is a citric-acid-based ready-to-use liquid with efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 5-minute contact time.

Two other ethanol-based surface disinfectant products on the EPA’s List N are considered safer by [EPA’s Design for Environment Program \(under its Antimicrobials Pilot Test\)](#). (These products were not included in the San Francisco report because they came onto the market after the report was published.) They include:

- **GOJO Industries PURELL Multi-Surface Disinfecting Cleaner, PURELL Multi Surface Disinfectant and PURELL Professional Surface Disinfectant (registered under the name URTHPro) ([EPA Registration No. 84368-1](#))**, a ready-to-use liquid with efficacy against a wide array of bacteria and viruses with a 5-minute contact time (although the contact time for efficacy against Human Coronavirus is only 15 seconds); and
- **GOJO Industries PURELL Professional Surface Disinfecting Wipes ([EPA Registration No. 84150-1](#))**, which have efficacy against a wide array of bacteria and viruses with a 5-minute contact time (although the contact time for efficacy against Human Coronavirus is only 15 seconds).



It is important to follow the [US Centers for Disease Control \(CDC\) Guidance](#) on proper methods of cleaning and disinfecting, which calls for surfaces (particularly those that can come into contact with hands) to be cleaned and then disinfected with a product on the US EPA’s List N.

Cleaning of visibly dirty surfaces followed by disinfection is a best practice measure for prevention of COVID-19 and other viral respiratory illnesses in households and community settings. (US CDC)

Look for multi-purpose, restroom, floor, glass and other types of cleaners with one of the following multi-attribute third-party certifications such as [Green Seal](#), [Safer Choice](#), [UL EcoLogo](#) or [Cradle to Cradle](#) (at the Silver level or higher).



For any additional information about safer disinfectants that are effective against Human Coronavirus, contact membership@responsiblepurchasing.org.