

SAFER DISINFECTING PRODUCTS

Combat the Coronavirus and Protect Health by Using Products with Safer Active Ingredients

EPA's List N provides information on disinfection products that meet EPA's criteria for effectiveness against COVID-19. The director of the TURI Lab **Jason Marshall** performed a sample search on List N and identified a number of products that contain safer active ingredients.

In the list below, TURI eliminated combination products that are marketed for both cleaning and disinfection. In order to disinfect effectively, it is necessary to clean first. Always be sure to follow manufacturer's directions for use.

The full list of **safer active disinfectant ingredients** identified by EPA's Safer Choice program include **hydrogen peroxide, alcohol** (isopropyl alcohol or ethanol), **citric acid**, and **lactic acid**, among others. The products listed are safer for health and the environment than products that contain bleach, phenols or quaternary ammonium compounds ("quats").

Products containing safer active ingredients

Product	Manufacturer	Active Ingredient	EPA Registration #
<u>CleanCide Wipes</u>	Wexford Innovations	Citric Acid	34810-36
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Purell Professional Surface Disinfectant Wipes	GOJO Industries	Ethanol	84150-1

<u>Lysol Neutra Air 2 in 1</u>	Reckitt Benckiser	Ethanol	777-136
<u>Oxivir 1 Wipes</u>	Diversey Inc.	Hydrogen Peroxide	70627-80
<u>Oxiver Plus Disinfectant Cleaner</u>	Diversey Inc	Hydrogen Peroxide	70627-79
<u>Oxivir TB</u>	Diversey Inc	Hydrogen Peroxide	70627-56
<u>Oxivir Wipes</u>	Diversey Inc	Hydrogen Peroxide	70627-60
<u>Vaprox 59 Hydrogen Peroxide Sterilant</u>	Steris Life Sciences	Hydrogen Peroxide	58779-4
<u>RMC Proxi Disinfectant</u>	Rochester Midland	Hydrogen Peroxide	85837-4
<u>Clorox Commercial Solutions Disinfecting Biostain & Odor Remover</u>	Clorox Professional Products Company	Hydrogen Peroxide	67619-33
<u>HP202</u>	Bright Solutions	Hydrogen Peroxide	45745-11
<u>BIT Solution</u>	Tomi Environmental Solutions	Hydrogen Peroxide	90150-2
<u>Force of Nature Activator Capsules</u>	Healthier Innovations	Sodium Chloride, generates hypochlorous acid	93040-1

Klercide Sporicidal Active Chlorine

Ecolab Inc.

NaDCC, generates hypochlorous acid

1677-255

TURI has identified products containing hypochlorous acid as safer than products that contain bleach. **In tests conducted in TURI's lab**, hypochlorous acid generated from tablets generated less airborne chlorine than a bleach solution with a similar concentration of chlorine. According to the **Association of Occupational and Environmental Clinics (AOEC)**, chlorine can **cause or exacerbate asthma**.

The combination of hydrogen peroxide and peroxyacetic acid (peracetic acid) has caused the initial onset of asthma in some individuals while triggering asthma symptoms in others. Avoid products that contain the combination of these ingredients. Never mix cleaning chemicals.

Links provided in table show one purchase option as an example. There may be others. TURI does not endorse any specific products or vendors.

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