

Effective cleaning  
and disinfection is  
doesn't have to  
harm **our health**



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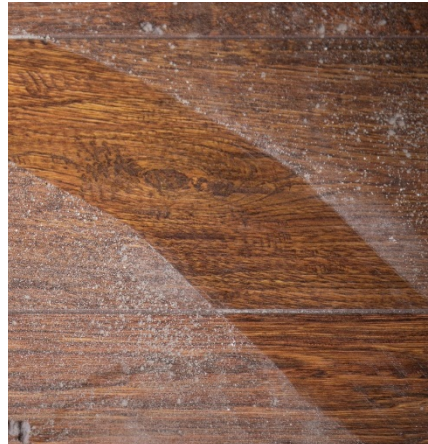


**Example:** using **bleach** can emit chemicals such as carbon tetrachloride, chloroform and several other halogenated volatile organic compounds **that can trigger and aggravate asthma.**



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**Example:** some **quaternary ammonium compounds** have also been linked with asthma and skin irritation; they have been found to **accumulate in dust**, where they can persist.



How can we find healthier/safer cleaners and disinfectants?



# Look for certifications that signify a product is safer



# Check EPA's List N for products effective against COVID-19

List N Advanced Search Page:  
Disinfectants for Coronavirus  
(COVID-19)

<https://www.epa.gov/pesticide-registration/list-n-advanced-search-page-disinfectants-coronavirus-covid-19>

<b>i</b> EPA Registration Number	<input type="text" value="12345-12"/>
Active Ingredient(s)	<input type="text" value="Hydrogen peroxide"/>
<b>i</b> Product Name	<input type="text" value="Product A"/>
Company	<input type="text" value="Company XYZ"/>
<b>i</b> Contact Time (in minutes)	<input type="text"/>
<b>i</b> Formulation Type	<input type="text"/>
<b>i</b> Surface Types	<input type="text"/>
<b>i</b> Use Sites	<input type="text"/>
<b>i</b> Why is this product on List N?	<input type="text"/>
<b>i</b> To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	<input type="text"/>
Date Added to List N	<input type="text"/>

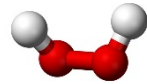
# Look for safer active ingredients

In disinfectants, look for active ingredients such as:

Alcohol (ethanol or isopropanol)



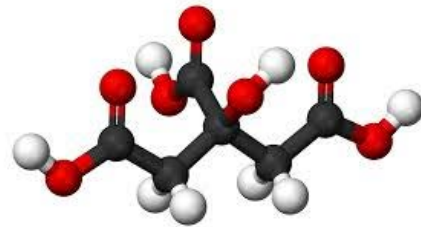
Hydrogen peroxide



L-Lactic acid



Citric acid



Hillyard's Suprox 39 solution and Clorox's hydrogen peroxide wipes are part of the cleaning/disinfecting regime at our facility



# Determining if a product on List N is a safer option

Products with safer ingredients on the [EPA's List N](#) of products registered for use against SARS-CoV-2 include:

- Clorox Commercial Solutions Hydrogen Peroxide Disinfecting Cleaner, Disinfectant, and Wipes
- Diversey's Oxivir TB Ready-To-Use Liquid, Wipes, Five 16, and Diversey's Alpha HP Multi-Surface Disinfectant Cleaner
- Lysol Disinfecting Bathroom Cleaner
- GOJO Industries PURELL Multi-Surface Disinfecting Cleaner, Disinfectant, Wipes, and Surface Disinfectant

BECAUSE / HEALTH

[becausehealth.org](https://becausehealth.org)



Know your environment.  
Protect your health.



EWG's Guide to Healthy Cleaning

<https://www.ewg.org/guides/cleaners/>



SF APPROVED

Use less, buy the right thing

<https://www.sfapproved.org/disinfectants>

# Green products do not typically cost more

Is the total overall cost of green cleaning products, including all products and labor, more than, less than, or about the same when compared to traditional counterparts?

	Answer	Count	Percent	20%	40%	60%	80%	100%
1.	More than 20% more	13	4.32%					
2.	10% to 20% more	40	13.29%					
3.	0% to 10% more	67	22.26%					
4.	The same cost	75	24.92%					
5.	0% to 10% savings	22	7.31%					
6.	10% to 20% savings	14	4.65%					
7.	More than 20% savings	5	1.66%					
8.	N/A	65	21.59%					
	<b>Total</b>	<b>301</b>	<b>100%</b>					

Source: <http://cdn.ifma.org/sfcdn/membership-documents/ifmafoundation-business-of-green-cleaning.pdf?sfvrsn=0>

# Develop a procurement plan and phase-out of old products where necessary

Procurement resources/examples

<https://www.blm.gov/download/file/fid/19970>

[https://www.natcapsolutions.org/LASER/LASER\\_Green-Cleaning-Product-Procurement-Policies.pdf](https://www.natcapsolutions.org/LASER/LASER_Green-Cleaning-Product-Procurement-Policies.pdf)

