IC2 Webinar: Best Practices for Safer Cleaning and Disinfecting

June 04, 2020
What is the Interstate Chemicals Clearinghouse (IC2)?

The IC2 is an association of state, local, and tribal governments that promotes a clean environment, healthy communities, and a vital economy through the development and use of safer chemicals and products.

The goals of the IC2 are to:

• Avoid duplication and enhance efficiency and effectiveness of agency initiatives on chemicals through collaboration and coordination

• Build governmental capacity to identify and promote safer chemicals and products

• Ensure that agencies, businesses, and the public have ready access to high quality and authoritative chemicals data, information, and assessment methods

http://www.theic2.org/
Presenters

Nancy Simcox
Dept. of Environmental & Occupational Health Sciences
University of Washington

Alicia Culver
Responsible Purchasing Network (RPN)

Julia Singer
King County Hazardous Waste Management Program
Returning to Work: Safer Cleaning and Disinfecting Practices

Nancy Simcox, MS
Lecturer and Director
UW DEOHS Continuing Education Programs
June 4, 2020
Interstate Clearing House2 Webinar
Today’s Topics

- Return to Work Plans
- Health Impacts of cleaning and disinfecting
- Applying the hierarchy of controls
- Safer cleaning practices during a pandemic
Should you consider opening?

- Will reopening be consistent with applicable state and local orders?
- Are you ready to protect employees at higher risk for severe illness?

Are recommended health and safety actions in place?

What is the COVID-19 Virus?

- SARS-CoV-2
- It is a new (novel) strain of Human Coronavirus
- Enveloped virus
- Envelope is a lipid layer
- Susceptible to heat
- Deactivated with cleaners and disinfectants
- Envelope increases transmissibility
COVID-19 Return to Work Plans

- Practice physical distancing
- Hand hygiene
- Masks/face coverings
- Health monitoring
- Cleaning and Disinfection
FIGURE. Number of daily exposures to cleaners and disinfectants reported to U.S. poison centers — United States, January–March 2018, 2019, and 2020*.


† Increase in exposures to cleaners on January 29, 2020, came from an unintentional exposure to a cleaning agent within a school.
Health Effects Associated with Cleaning

- Causing asthma and making it worse
- Irritating skin, eyes, nose, throat, causing headaches
- Disrupting or acting like hormones
- Causing cancer
- Reproductive health effects

Source: The Work-Related Asthma Prevention Program (WRAPP) in the California Department of Public Health
What Chemicals Are a Concern?

- Cleaning products
- Disinfectants
  - Sodium hypochlorite
  - Quaternary ammonium compounds - “Quats”
- Acids and bases
- Solvents
- Aerosol sprays
- Fragrances and odors
- Other: 2 butoxyethanol, ethanolamines
Work-Related Asthma

- Strong evidence of respiratory disease among workers that are exposed to cleaning products (Rosenman, 2020; Cummings and Virji, 2018)
- Custodial workers experience one of the highest rates of occupational asthma
- Healthcare workers at increase risk of rhinitis and work-related asthma (Feng-Chiao, 2019; Dumas, 2019; Mazurek, 2016)
- Evidence that bystanders’ exposure to cleaning products leads to asthma (WRAPP, 2014)
Chemical Mixtures

What do we need?

Systematic Approach for Controlling Hazards
-PREVENTION-
Hierarchy of Controls

- **Elimination**
  - Physically remove the hazard

- **Substitution**
  - Replace the hazard

- **Engineering Controls**
  - Isolate people from the hazard

- **Administrative Controls**
  - Change the way people work

- **PPE**
  - Protect the worker with Personal Protective Equipment

Most effective to Least effective
Fact Sheet on Safer Cleaning and Disinfecting

Safer Cleaning, Sanitizing and Disinfecting Strategies to Reduce and Prevent COVID-19 Transmission

Proper cleaning and disinfecting are important for reducing the spread of COVID-19. This fact sheet provides best practices for cleaning, sanitizing and disinfecting surfaces to prevent the spread of disease while minimizing harmful chemical exposures. These practices focus on the workplace, however they can be applied in any setting. Consult the U.S. Centers for Disease Control and Prevention and the U.S. National Institute for Occupational Health and Safety for the most current information.

Remember, when possible for handwashing and cleaning surfaces, soap and water is always the best option.

Why are we talking about safer practices?

Hazardous chemicals are common in cleaning, sanitizing, and disinfecting products.

People using these products, and people in the spaces where they are used, can get sick or develop illnesses, including asthma. Others harm reproductive health or may cause cancer if too much exposure occurs. Some damage skin or other body systems. For example, custodians using cleaning products and disinfectants may suffer from work-related asthma due to exposure on the job.

Safer options are available.

Look for products that are environmentally preferable and meet standards for green cleaning.

These labels are on environmentally preferable cleaning products and disinfectants that have a lesser or reduced effect on human health and the environment. These labels have strict requirements and can help you avoid chemicals that have negative impacts.

Key Terms

Cleaner
Removes grime, dirt, and impurities from surfaces or objects. Works by using soap and detergent, water and friction to physically remove dirt and grime from surfaces. Cleaning before disinfecting reduces spreading infection more than disinfecting alone.

Sanitizer
Reduces germs on surfaces to levels considered safe for public health (usually 99.99%). Products must be EPA registered.

Disinfectant
Destroys almost all infectious germs, when used as the label directs on a surface. No residual dirt, soil, or dust. Should be used where required by law, in high-risk and high-touch areas, or in cases of infectious disease. Products must be EPA registered.

Safer Disinfectant Options

Ethanol, isopropanol (isopropyl alcohol)
Hydrogen Peroxide
L-Lactic Acid, Citric Acid

The EPA Design for the Environment criteria for disinfectants/sanitizers is used for defining safer chemicals. "Peroxide acid is sold in solution as a mixture with acetic acid and hydrogen peroxide. It maintains its stability, but is highly corrosive and exposure to it can severely irritate the eyes, skin and respiratory system. Lactic acid is typically used in concentrations of 1 to 5 percent and is diluted before use in foods and healthcare industries. It's toxic to aquatic life in lower concentrations, but not in higher concentrations."
Key Terms

- Cleaner - removes germs, dirt and impurities from surfaces or objects. Soap, water, and friction.
- Sanitizer - reduces germs on surfaces to levels considered safe for public health (99.99%)
- Disinfectant - destroys almost all infectious germs, when used as the label directs on a surface. No effect on dirt, soil or dust.

CLEAN FIRST, Then DISINFECTANT
GUIDANCE FOR CLEANING & DISINFECTING

PUBLIC SPACES, WORKPLACES, BUSINESSES, SCHOOLS, AND HOMES

1 DEVELOP YOUR PLAN

DETERMINE WHAT NEEDS TO BE CLEANED. Areas unoccupied for 7 or more days need only routine cleaning. Maintain existing cleaning practices for outdoor areas.

DETERMINE HOW AREAS WILL BE DISINFECTED. Consider the type of surface and how often the surface is touched. Prioritize disinfecting frequently touched surfaces.

CONSIDER THE RESOURCES AND EQUIPMENT NEEDED. Keep in mind the availability of cleaning products and personal protective equipment (PPE) appropriate for cleaners and disinfectants.

Follow guidance from state, tribal, local, and territorial authorities.

2 IMPLEMENT

CLEAN VISIBLY DIRTY SURFACES WITH SOAP AND WATER prior to disinfection.

USE THE APPROPRIATE CLEANING OR DISINFECTANT PRODUCT. Use an EPA-approved disinfectant against COVID-19, and read the label to make sure it meets your needs.

ALWAYS FOLLOW THE DIRECTIONS ON THE LABEL. The label will include safety information and application instructions. Keep disinfectants out of the reach of children.

3 MAINTAIN AND REVISE

CONTINUE ROUTINE CLEANING AND DISINFECTION. Continue or revise your plan based upon appropriate disinfectant and PPE availability. Dirty surfaces should be cleaned with soap and water prior to disinfection. Routinely disinfect frequently touched surfaces at least daily.

MAINTAIN SAFE PRACTICES such as frequent handwashing, using cloth face coverings, and staying home if you are sick.

CONTINUE PRACTICES THAT REDUCE THE POTENTIAL FOR EXPOSURE. Maintain social distancing, staying six feet away from others. Reduce sharing of common spaces and frequently touched objects.

Develop Your Plan

What needs to be cleaned?
- Unoccupied areas for 7 or more days need only routine cleaning
- Maintain existing cleaning practices for outdoor areas
- Develop a set of written standard operating procedures

What areas will be disinfected?
- Identify high risk areas and tasks
- Type of surface (porous and non porous)
- Kind of bacteria or virus
- Prioritize frequently touched surfaces

Is There a Safer Disinfectant?

Safer Disinfectant Options

Ethanol, isopropanol (isopropyl alcohol)
Hydrogen Peroxide
L-Lactic Acid, Citric Acid

The EPA Design for the Environment criteria for disinfectants/sanitizers is used for defining safer chemicals. Peracetic acid is sold in solution as a mixture with acetic acid and hydrogen peroxide to maintain its stability, but is highly corrosive and exposure to it can severely irritate the eyes, skin and respiratory system. Peracetic acid is typically sold in concentrations of 1 to 5 percent and is diluted before use in food and healthcare industries. Try to avoid products containing peracetic acid.

EPA Registered Disinfectants- List N
Develop Your Plan

What resources and equipment are needed?

- Adequate Ventilation
- New Technologies
- Dilution stations/ready to dilute
- No touch cleaning equipment
- Microfiber mops and cloths
- Personal Protective Equipment

TIME FOR QUESTIONS

Nancy Simcox, MS
206-221-7107
nsimcox@uw.edu
THANK YOU!
Safer Disinfectants for Use Against the COVID-19 Virus

Alicia Culver
Responsible Purchasing Network
June 4, 2020

www.ResponsiblePurchasing.org
Who is RPN?

Nonprofit network
- States
- Local governments
- Federal agencies
- Colleges and universities
- School districts
- Businesses
- Non-profits

RPN Mission
“Promote and practice responsible purchasing by identifying best practices, developing effective purchasing tools, educating the market, and using our collective purchasing power to maximize environmental stewardship, protect human health, and support local and global sustainability.”
My Background
# EPA’s List N: Disinfectants for Use Against SARS-CoV-2

## Pesticide Registration

**List N: Disinfectants for Use Against SARS-CoV-2**

All products on this list meet EPA’s criteria for use against SARS-CoV-2, the virus that causes COVID-19.

### Finding a Product

The easiest way to find a product on this list is to enter the first two sets of digits of its EPA registration number into the search bar below. For example, if EPA Reg. No. 12345-67 is on List N, you can type “12” into the search box and review the products in the list that begin with those digits.

### Using Other Products

If you can’t find a product on this list to use against SARS-CoV-2, look at a different product’s label to confirm it has an EPA registration number and that human coronaviruses are listed as a target pathogen.

### Follow the Label

When using an EPA-registered disinfectant, follow the label directions for safe, effective use. Make sure to follow the contact time, which is the amount of time the surface should be visibly wet, listed in the table below.

**Note:** Inclusion of a product on this list does not constitute an endorsement by EPA. Additional disinfectants may meet the criteria for use against SARS-CoV-2. EPA will update this list with additional products as needed.

List N was last updated on April 9, 2020.

<table>
<thead>
<tr>
<th>EPA Registration Number</th>
<th>Active ingredients(s)</th>
<th>Product Name</th>
<th>Company</th>
<th>Follow the disinfection directions and preparation for the following virus</th>
<th>Contact Time (in minutes)</th>
<th>Formulation Type</th>
<th>Surface Types for Use</th>
<th>Use Site</th>
<th>Emerging Viral Pathogen Claim?</th>
<th>Date Added to List N</th>
</tr>
</thead>
<tbody>
<tr>
<td>76827-56</td>
<td>Hydrogen peroxide</td>
<td>Dakin's Tb</td>
<td>Diviway Inc</td>
<td>Nonenveloped; Penetrates Penetrates Poliovirus Type 1</td>
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<td>Healthcare; Institutional</td>
<td>Yes</td>
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<td>76827-60</td>
<td>Hydrogen peroxide</td>
<td>Dakin’s Wipes</td>
<td>Diviway Inc</td>
<td>Nonenveloped; Penetrates Penetrates Poliovirus Type 1; Penetrates Poliovirus Type 14</td>
<td>2</td>
<td>Wipe</td>
<td>Hard nonporous</td>
<td>Healthcare; Institutional; Residential</td>
<td>Yes</td>
<td>03/10/2020</td>
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<tr>
<td>76828-14</td>
<td>Hydrogen peroxide</td>
<td>Dakin’s 1</td>
<td>Diviway Inc</td>
<td>Carns Parovirus; Enterovirus Type E2</td>
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[www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2](http://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2)

[www.ResponsiblePurchasing.org](http://www.ResponsiblePurchasing.org)
How to Search EPA’s List N

List N Tool: COVID-19 Disinfectants

- EPA Registration Number
- Active Ingredient
- Use Site
- Contact Time
- Browse All
- Keyword Search

Enter only the first two parts of the registration number (ex. 1234-12)
# How to Search EPA’s List N

<table>
<thead>
<tr>
<th>EPA Registration Number</th>
<th>Active Ingredient(s)</th>
<th>Product Name</th>
<th>Company</th>
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<td>Clorox Professional Products Company</td>
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<td>Oxivir Tb</td>
<td>Diverse Inc</td>
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<td>70627-58</td>
<td>Hydrogen Peroxide</td>
<td>Oxy-Team™ Disinfectant Cleaner</td>
<td>Diverse Inc</td>
<td>Canine Parvovirus; Feline Picornavirus</td>
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<tr>
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<td>Sani-HyPerCide Germicidal Spray</td>
<td>Professional Disposables International Inc</td>
<td>Norovirus</td>
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<tr>
<td>70627-82</td>
<td>Hydrogen Peroxide</td>
<td>Photo 1:94 Disinfectant Cleaner</td>
<td>Diverse Inc</td>
<td>Human coronavirus</td>
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</tbody>
</table>

www.ResponsiblePurchasing.org
### Other Important Information on EPA’s List N

<table>
<thead>
<tr>
<th>Contact Time (in minutes)</th>
<th>Formulation Type</th>
<th>Surface Types for Use</th>
<th>Use Site</th>
<th>Emerging Viral Pathogen Claim?</th>
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<td>Search</td>
<td>Search</td>
<td>Search</td>
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<td>1</td>
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<td>Healthcare; Institutional</td>
<td>No</td>
<td>03/13/2020</td>
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</table>
How to Find the EPA-Approved Label for Disinfectants

Pesticide Product and Label System

The Pesticide Product and Label System (PPLS) provides a collection of pesticide product labels (Adobe PDF format) that have been accepted by EPA under Section 3 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). New labels were added to PPLS on June 03, 2020.

EPA Registration, Distributor Product, or Special Local Need Number:
70627-58
The EPA Registration Number (EPA Reg. No.) appears on all registered pesticides sold in the United States. It is usually found on the back panel of the label along with the detailed instructions for use. Enter the company number (the first set of digits before the dash) to see all products marketed by that company or the entire number (including the dash) to view the label for a particular product. To search by Special Local Need Number, please enter two-letter state abbreviations with or without 5 digit number (i.e. OH123456).

Product or Alternative Brand Name:
Enter the name of the product. As you type, options will be presented to you. Keep in mind that product names may vary, so if you don’t find the product you are looking for, try the EPA Registration Number Search above.
How to Find the EPA-Approved Label for Disinfectants

Details for OXY-TEAM DISINFECTANT CLEANER

EPA Contact Information

You will need Adobe Reader to view some of the files on this page. See EPA’s PDF page to learn more.

Provided below is the information for the product you selected. To view the label, click on the date in the Accepted Date Field. The latest label is at the top of the list.

EPA Registration Number: 70627-58
Company Name: DIVERSEY, INC.
P.O. Box: 19747
City, State Zip: CHARLOTTE, NC 282190747
First Registered Date: MAY 09, 2007
Current Status (Date): Active (MAY 09, 2007)
Restricted Use: NO

Labels
Chemical
Alt Brand Name
Inactive Alt Brand Name
Transfer History
Site
Pest

<table>
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<tr>
<th>EPA Reg. No.</th>
<th>Product Name</th>
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<tr>
<td>70627-58</td>
<td>OXY-TEAM DISINFECTANT CLEANER</td>
<td>November 28, 2017 (PDF)</td>
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</table>

www.ResponsiblePurchasing.org
Conventional Disinfectants

Chlorine bleach (Sodium hypochlorite)
- Causes occupational asthma
- Corrosive to eyes and skin
- High aquatic toxicity

Quaternary ammonium chlorides (“Quats”)
- Asthmagens
- Concentrating in sewage sludge
- Corrosive, need to be rinsed off
Asthmagens in Disinfectants

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<thead>
<tr>
<th>AOEC Exposure Code</th>
<th>Primary Name</th>
<th>Synonym</th>
<th>P=Pesticide</th>
<th>A=Asthmagen</th>
<th>Rs=Sensitizer R/RAOS</th>
<th>R/RAOS</th>
<th>RTECS</th>
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<td>Sodium Hypochlorite</td>
<td>Sodium Hypochlorite</td>
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<td></td>
<td>Rs</td>
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</tr>
</tbody>
</table>

www.ResponsiblePurchasing.org
CDC: Asthma Increases Risk of Getting Sick from COVID-19

Risk of Severe Illness from COVID-19

People with moderate to severe asthma may be at higher risk of getting very sick from COVID-19. COVID-19 can affect your respiratory tract (nose, throat, lungs), cause an asthma attack, and possibly lead to pneumonia and acute respiratory disease.
Safer Disinfectants


https://www.epa.gov/pesticide-labels/design-environment-logo-antimicrobial-pesticide-products
Safer Disinfectants

Safer “active” ingredients

- Hydrogen peroxide
- Citric/Lactic acid
- Ethanol/Isopropyl alcohol

Health/Environmental Benefits

- No carcinogens or reproductive toxins
- No asthmagens or skin sensitizers
  - Break down safely in sewage
- Irritating but not corrosive to eyes/skin
New RPN Resource

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

Responsible Purchasing Network
March 2020

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](https://osha.washington.edu/sites/default/files/documents/Updated%20Safer%20Disinfectants%20List_March%202026%2C%202020.pdf)) 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](https://osha.washington.edu/sites/default/files/documents/Updated%20Safer%20Disinfectants%20List_March%202026%2C%202020.pdf)), which have efficacy against a wide array of bacteria and viruses (including Human Coronavirus) with a 1-minute contact time.
RPN Recommended Safer Disinfectants

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### Oxivir Ready-to-use disinfectant cleaners

<table>
<thead>
<tr>
<th>Claims Overview*</th>
<th>Oxivir® 1 RTU</th>
<th>Oxivir® 1 Wipes</th>
<th>Oxivir® Tb RTU</th>
<th>Oxivir® Tb Wipes</th>
<th>Oxivir® Five 16</th>
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<tr>
<td>Gram Positive Bacteria</td>
<td>1 Minute</td>
<td>1 Minute</td>
<td>1 Minute</td>
<td>1 Minute</td>
<td>5 Minutes</td>
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<td>Gram Negative Bacteria</td>
<td>1 Minute</td>
<td>1 Minute</td>
<td>1 Minute</td>
<td>1 Minute</td>
<td>5 Minutes</td>
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<tr>
<td>Tuberculocidal</td>
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<td>5 Minutes</td>
<td>5 Minutes</td>
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<td>Enveloped Virus</td>
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<td>1 Minute</td>
<td>5 Minutes</td>
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<td>30 Sec - 1 Minute</td>
<td>1 Minute</td>
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<td>5 Minutes</td>
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<td>Fungicidal</td>
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<td>10 Minutes</td>
<td>10 Minutes</td>
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<td>Non-Food Contact Sanitizer</td>
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<td>30 Seconds</td>
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<td>30 Seconds 1:16; 3 Min at 1:128</td>
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</tbody>
</table>

*For claims on specific organisms contact your Diversey representative or visit solutionsdesignedforhealthcare.com
RPN Recommended
Safer Disinfectants

Diversey’s Alpha HP Multi-Surface Disinfectant Cleaner (registered under the name Photo 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.
RPN Recommended Safer Disinfectants

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](https://www.epa.gov), 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](https://www.epa.gov), 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).
CDC Guidance on Alternative Disinfection Methods

Alternative disinfection methods

- The efficacy of alternative disinfection methods, such as ultrasonic waves, high intensity UV radiation, and LED blue light against COVID-19 virus is not known.
  - EPA does not routinely review the safety or efficacy of pesticidal devices, such as UV lights, LED lights, or ultrasonic devices. Therefore, EPA cannot confirm whether, or under what circumstances, such products might be effective against the spread of COVID-19.
- CDC does not recommend the use of sanitizing tunnels. There is no evidence that they are effective in reducing the spread of COVID-19. Chemicals used in sanitizing tunnels could cause skin, eye, or respiratory irritation or damage.
- CDC only recommends use of the surface disinfectants identified on List N against the virus that causes COVID-19.

Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

www.ResponsiblePurchasing.org
CDC Cleaning Guidance

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.

Clean and disinfect high-touch surfaces daily in household common areas (e.g., tables, hard-backed chairs, doorknobs, light switches, phones, tables, touch screens, remote controls, keyboards, handles, desks, toilets, sinks)

Certified Green Cleaners

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 more information on green cleaners and safer disinfectants, see www.responsiblepurchasing.org/purchasing_guides/cleaners/index.php
Thank you!

Alicia Culver
Executive Director
Responsible Purchasing Network
alicia@responsiblepurchasing.org
510-367-3676
Safer cleaning at home – how do you do outreach during a pandemic?

Julia Singer, Communications Specialist
Hazardous Waste Management Program

MISSION
Protect public health and the environment from the risks posed by production, use, storage and disposal of hazardous materials.

WHO WE SERVE
All residents and small businesses in King County, Washington. **170 languages spoken.**

MULTI-AGENCY
• Four agencies
• Two tribes
• 38 cities
Racial equity is embedded in all our work

“Race is not a determinant of hazardous materials exposure in households and businesses in King County.”
Doing outreach, leading with equity

• Community partners provide connection with their communities, language skills, cultural knowledge, outreach skills

• Haz Waste provides grant/contract funding, topical and technical support, project management

• Together we work to share power and co-create methods of outreach, materials, evaluation and reporting
Community partner:
Community partner:
Our primary outreach is in-person and often in-homes, based on building relationships.
Key message:
You can buy safer cleaners

HOW CAN I BUY A HOUSEHOLD PRODUCT THAT IS SAFER FOR MY FAMILY?

**Safest**
Find a product with these logos on the front or back.

**Safe enough**
Read the product label. Product that does NOT have the words CAUTION, WARNING, DANGER or POISON.

**Somewhat harmful**
Read the product label. Product with the words CAUTION or WARNING.

**Most harmful – avoid**
Read the product label. Product with the words DANGER & POISON. It is the most harmful for you and your family.

Questions? Call the HazLine at 206-296-4692 or visit HazWasteHelp.org
Available in alternative formats. Please call 206-296-4692 or TTY: 711
181107_9254w_buy_safe_fyoral LHWMp_0278 rev 11/2018
Key message: You can make your own safer cleaners
First week of March – Haz Waste staff told to telework

• Now what?

• Key messages had to be examined, possibly revised
  • What about disinfecting?

• How plan, if no more in-person meetings?

• How provide service, if no more home visits?

• Now what?
How does safer cleaning connect to disinfecting to kill a virus?

Cleaning & disinfecting for a healthy home

Safer cleaning &

COVID-19

Follow these recommendations on safer cleaning methods and disinfecting for germs to help prevent the spread of disease.

Know the risks

- Asthma (if preventing)
- Irritated Skin
- Irritated Eyes
- Headache

Use less toxic cleaning products

You can make household cleaners from common ingredients like baking soda, vinegar, dish soap, and water.

Use an EHP-registered disinfectant to ensure it is effective for killing germs.

General cleaning followed by disinfecting can remove germs that cause diseases like COVID-19. Approaching your cleaning by using the least hazardous cleaning products and methods is the best way to keep everyone in your house safe.

Get Safer Cleaning Tools

- Sponge
- Microfiber Cloth
- Drain Cleaning Tool
- Scrub Brush

Clean Before You Disinfect

1. Start with cleaning
   CLEANING removes germs, dirt, and impurities from surfaces or objects. Start by using soap and water, and methods to physically remove dirt and germs from surfaces.

2. Put on protective wear
   Take steps to protect your skin and eyes by wearing gloves and some form of eye protection, preferably safety glasses. Protect your lungs by opening windows to give yourself fresh air.

3. After cleaning disinfect
   Disinfecting destroys almost all infectious germs by chemical action, when used as the label directs. It has no effect on dirt, soil, or dust. After cleaning a surface, use an EPA-registered disinfectant appropriate for the surface. Wipe down those surfaces again.
Planning: we tele-met with our partners - often audio only

- We asked if or how they thought their projects could continue.
- We asked what they needed for their communities during COVID-19.
- This was not a linear discussion.
As we planned, we had to recognize equity issues

- COVID-19 information initially only English – partners needed Spanish, Arabic, French, Somali
- At home – partner staff may not have good internet
- People share their home work stations (kitchens) with children and spouses
- Some people became ill and could not be tested, while others were able to be tested
- Need to expand our key message to communities beyond Haz Waste scope and include what they cared about – COVID information.
How provide service to communities, during a pandemic?

- Both partners decided that their outreach would continue, virtually.
- This means in-home visits became:
  - An initial phone call, audio only
  - Teaching materials (safer cleaning kit, flyers) are delivered to each participant’s door
  - A virtual home visit on video platform that worked best for each organization and their communities
Each virtual approach is slightly different from the other on the same topic

- **Sea Mar – now doing virtual visits**
  - Using What’sApp, live demonstration of products by staff and participants, and participants do demo
  - Staff is working from their individual offices
  - Participants on their phones
- **Mother Africa – beginning virtual visits in late June**
  - Using Zoom, presentation and process of demo not yet decided
  - Working from their homes
  - Participants on their phones
Partners and Haz Waste had to learn and are still learning

• How to be respectful and listen, when people don’t want to be seen on video for personal or cultural reasons and audio only is the choice
• How do you move teaching items when offices are closed, official vehicles are not running? Etc, etc, etc.
• Video conferencing tools
  • Skype
  • Zoom
  • What’sApp
• Online survey tools
  • SNAP survey
  • Kahoot
  • Survey monkey
Virtual visits work!

Participants are learning how to read labels and pledging to use safer cleaning products for 2 months.

Take the Pledge to Use Safer Cleaners

Caring for your family is in your hands. Buying safer cleaners or making your own using ingredients in your kitchen (white vinegar, baking soda, and dish soap) is a simple way to help keep your family safe from harmful chemicals.

I, ______________, commit to using ______________ instead of ______________ on ______________ for the next two months.

(first name) (recipe/safer cleaner) (toxic cleaner) (where)

___________________________
Signature

___________________________
Date

Public Health
Seattle & King County

Hazardous Waste Management Program

Alternative formats available
206-263-1650 TTY Relay: 711

LHWM_P_0284 (Jan. 2019) 1901_9391m_HazCleaningPledge+SP flyer a
How does Haz Waste do outreach during a pandemic?

• Years ago, we committed to leading with racial equity, as an antidote to institutionalized racism.
• Because of that we had built and nurtured relationships with community partners.
• We were committed to sharing power and co-creating.
• This allowed us the grace to hold the space of not-knowing, which allowed the creativity, passion for the work and resilience of our partners to flourish and lead to a way forward.
With great gratitude to our partner staff at Mother Africa and Sea Mar.
Julia.Singer@Kingcounty.gov | 206-263-1670
Questions?
Thank you for attending.
The Training Workgroup continues to plan additional webinars intended to inform and engage. Let us know if you have ideas for future webinar topics or presenters.

Please give us your feedback through the post-webinar survey.
If you are interested we will be continuing with an 30 minutes discussion and sharing of resources
Resource Share and Discussion

* Technical assistance resources
* Procurement guidelines or criteria
* Communication tools and strategies
Thank you for attending.