

CORONAVIRUS COVID-19

WEBINAR SERIES:

Manufacturing Solutions to COVID-19 Challenges

Session 4: COVID-19 Prevention

This webinar series is being presented by:

CMMA, MPMA, TSMA, & Vanguard Cleaning

With Industry Partners:

**AMFA, LAMA, Hwy 2 West, Manufacturers Alliance, and
Minnesota State Advanced Manufacturing Center of Excellence**



General Updates

- Plan your back-ups and partnerships!
- Find or offer resources at [Medical Alley](#) or
- [Mn Chamber's Grow Minnesota Initiative](#)

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Legislative Updates

- Proposals brought to Federal level
 - Good Samaritan Protection for employers who, under great pressure under uncertain times, make the best decisions they can
 - De-regulation or waivers for transfer of validated/regulated work from one facility to another
- [CARES ACT and SBA Paycheck Protection Program \(PPP\)](#)
 - [CBIZ Webinar 4/3](#)



General Information

- For webinar recordings, Power Points and other COVID-19 updates, go to
 - MPMA's [COVID-19 resource page](#)
 - TSMA's <https://www.tзма.org/covid-19>

COVID- 19 Prevention Manufacturing Facilities

VANGUARD CLEANING SYSTEMS OF MINNESOTA

Agenda



PREVENTION

POST EXPOSURE

CONTINGENCY
PLANNING

RESOURCES

Prevention

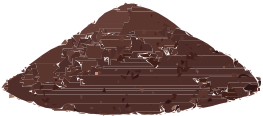

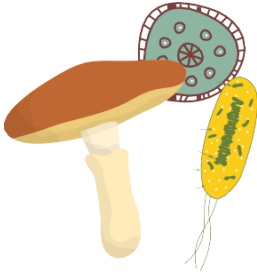
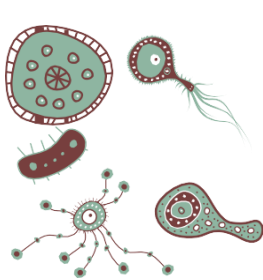
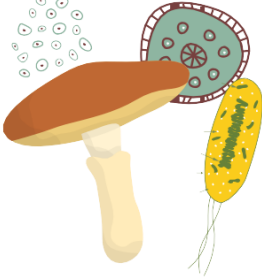
SURFACES

- Cardboard – up to 24 hours
- Plastic and stainless steel – up to 2-3 days
- Copper – 4 hours

- Coronaviruses –
 - Disinfecting Surfaces
 - High Temperatures and humidity

SOURCE: National Institute of Health Study in New England Journal of Medicine

What are the differences between these types of products ?

CLEANER	SANITIZER	DISINFECTANT	VIRUCIDE	STERILANT
Aids in Soil Removal	Reduces the Number of Bacteria	Kills Fungi, Bacteria, and Viruses	Kills Viruses	Eliminates all Fungi, Bacteria Viruses, and Spores
				
Simply aids in the removal of soil from a surface. Although cleaning does remove germs from a surface, it doesn't kill them.	Lowers the number of bacteria on surfaces to levels that are considered safe by public health orgs.	Kills infectious fungi, bacteria, and viruses but not bacterial spores on hard environmental surfaces.	Destroys or irreversibly inactivates viruses in the inanimate environment.	A sterilant is used to destroy or eliminate all forms of microbial life including fungi, viruses, and all forms of bacterial spores.

CHEMICALS - PURCHASE

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

- EPA Registration number vs List N
- Emerging viral pathogen vs coronavirus claims
- Multiple Suppliers in Minneapolis: Janex, Dalco, Home Depot Pro (Supplyworks), Innovative Office Solutions (address/phone in resource list)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- What is it: Gloves, gowns, booties, masks, protective eye equipment
- Minimum needed
- Removal and Disposal
- Proper don/doff

WORKPLACE CONTROLS: THE FACILITY

■ QUICK/EASY TO IMPLEMENT

- Hand washing signs
- Cover your cough signs
- Soap/paper towel dispensers
- Anti-bacterial hand sanitizers
- Water fountains
- Individual disinfectant spray and wipes
- Personal protective equipment (PPE)

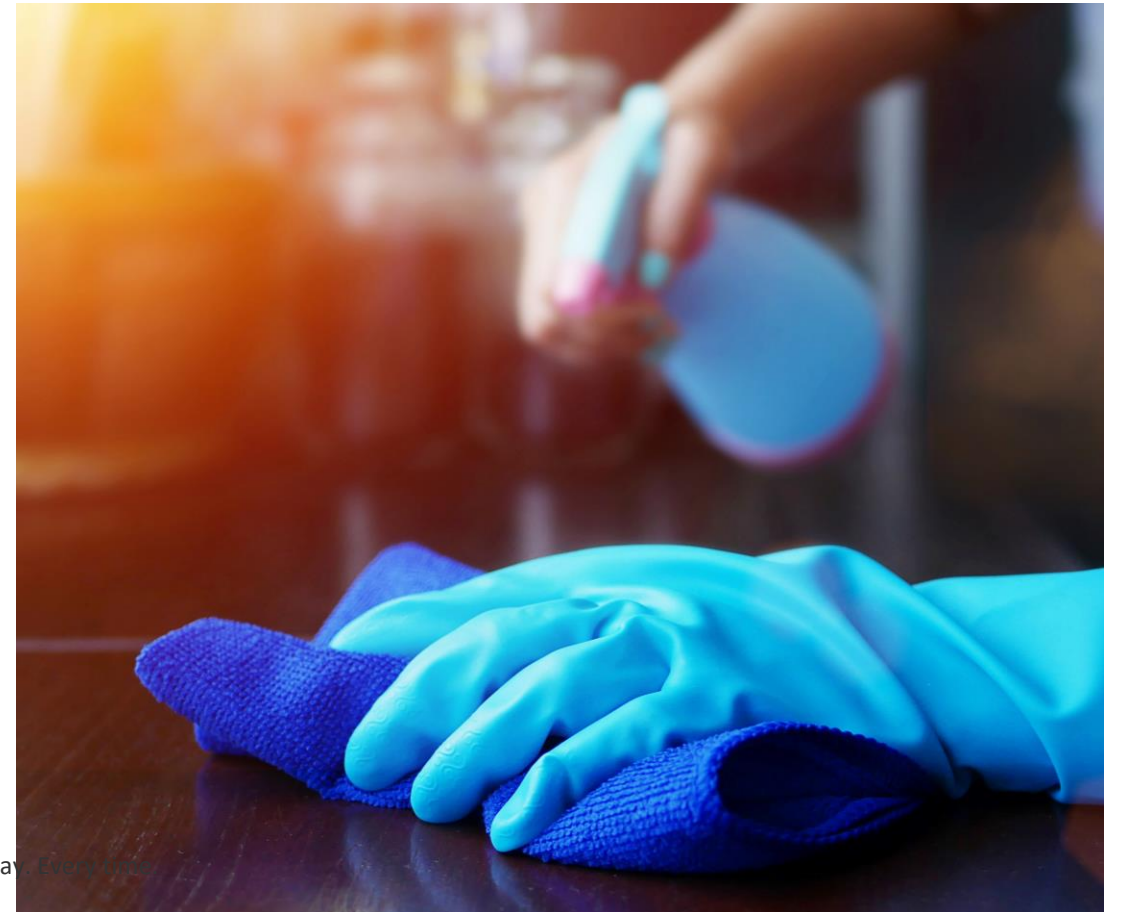
WORK PLACE CONTROLS : THE FACILITY

■ ENGINEERING CONTROLS

- Cost effective, no workplace behaviors
- High Efficiency air filters, ventilation, air purifiers(Sunbelt in Bloomington)
- Increase outdoor air
- Physical barriers, (Nparallel)
- Social distancing floor graphics (Nparallel)
- Shipping and Receiving
 - Areas designated for 24 hour separation
 - Radiate packages (Post office)
 - Class 10,000 clean room

WORKPLACE CONTROLS: TOUCH POINT CLEANING

- **FOCUSES ON:**
 - Common Areas
 - Ex. Light switches, door knobs
- **PURPOSE:**
 - High risk areas
 - Contact with virus and germs
 - Surfaces – two to three days



TOUCH POINT CLEANING PROCESS

Clean

- Dirty Surfaces
- Why Clean?

Disinfect

- Protective Gear
- EPA registered chemicals
- Dwell times critical
- Remove chemicals
- Clean Room

- External Service Provider

WORKPLACE CONTROLS: PERSONNEL

- Minimizing contact among workers, customers, vendors (Tom Sellin)
 - Visitors
 - Truckers
 - Deliveries
- Employees
 - Avoid usage of work tools
 - Disinfectant and disposable wipes
 - Hand washing, hand sanitizer
 - Covered coughs/sneezes
 - PPE – education
 - Signage/walls - separation

Post Exposure

POST EXPOSURE – PEOPLE

- Prompt identification and isolation (self monitoring)
- At work:
 - Isolation rooms designated
 - Face mask
 - Restrict Personnel
 - Remove quickly
 - Close an area

POST EXPOSURE – FACILITY

- Internal or external next steps
 - Internal:
 - Shift work
 - Other Resources
 - External: Vanguard, Paul Davis, Servepro, your current cleaning company
- Cleaning Guidelines(changing):
 - Close off areas
 - Improve ventilation
 - Room by room touch point clean and disinfection (PPE and EPA)
 - Foggers and electrostatic equipment (may see atomizer substituted)
 - Optional carpet extraction
 - Soft items
- 7 Days

Contingency Planning

CONTINGENCY PLANNING

- Develop preparedness response plan – Facility and Personnel
 - Essential functions
 - Absenteeism Spike
 - Multi-locations
 - External Support

- Post-Infection Policies/procedures
 - Infection Reporting
 - Work area closures processes
 - Return to work

CONTINGENCY PLANNING

- Pre-Infection Policies/procedures
 - Temperatures taken
 - Sick workers
 - Flexible and consistent sick leave
 - Creative distancing
 - Hygiene and separation
- Communication
 - Where
 - When
- Education
 - Cross Training
 - Cleaning
 - PPE

Resources

RESOURCES

■ ONLINE RESOURCES

- EPA Publication: List of Approved Cleaning Products for Use Against Coronavirus (6 pages) https://www.epa.gov/sites/production/files/2020-03/documents/sars-cov-2-list_03-03-2020.pdf
- CDC PPE sequence <https://www.cdc.gov/hai/pdfs/ppe/ppe-sequence.pdf>
- CDC Publication (Bi-Lingual): Instructions for Donning/Removing Personal Protective Equipment (PPE) <https://www.cdc.gov/HAI/pdfs/ppe/ppeposter148.pdf>

RESOURCES

■ CLEANING SUPPLES DISTRIBUTION RESOURCES

- Janex, 7470 Washington Avenue S, Eden Prairie, (952)829-9008, www.janexinc.com
- Innovative Office Solutions, 151 Cliff Road E, Burnsville, (952)808-9900, <https://www.innovativeos.com/>
- Home Depot Pro (Supplyworks), 1930 Energy Park Drive, St Paul, (651)646-7933, <https://www.supplyworks.com/>
- Dalco, 300 5th Avenue NW, New Brighton (651)604-2966, <https://dalcoonline.com/>

RESOURCES

■ EQUIPMENT MANUFACTURERS

- Nparallel, 13120 County Road 6, Minneapolis, (763) 231-4800, <https://www.nparallel.com/> (producing dividers, sneeze guards, floor placards)
- Sunbelt Rentals, 3700 West Preserve Boulevard, Burnsville, (952) 707-5252, <https://www.sunbeltrentals.com/> (producing air purifiers)
- Local Distilleries <https://twincities.eater.com/2020/3/20/21188180/minnesota-distilleries-hand-sanitizer-give-away-cocktail-kits> (producing hand sanitizer)

■

CHEMICALS – DILUTION CONTROL

When Instructions Say:

- 4 to 1
- 5 to 1
- 10 to 1
- 15 to 1
- 20 to 1
- 25 to 1
- 30 to 1
- 40 to 1
- 60 to 1
- 80 to 1
- 128 to 1
- 256 to 1

Use this amt/gal water

- 32 oz.
- 26 oz.
- 13 oz.
- 8.5 oz.
- 6.5 oz.
- 5.5 oz.
- 4.3 oz.
- 3.3 oz.
- 2.2 oz.
- 1.6 oz.
- 1oz.
- .5 oz

- 1 gallon = 128 oz

CHEMICALS – DILUTION CONTROL

- To fill a 24 oz container at 60:1 dilution do this:
- $\frac{24 \text{ oz container}}{60} = 0.4 \text{ oz. to add into the 24 oz container}$

Thank You

VANGUARD CLEANING SYSTEMS OF MINNESOTA

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