

LEON COUNTY SCHOOLS DISINFECTANT USE PROCEDURES AND GUIDELINES

PREPARED BY LCSB
CODE ENFORCEMENT & COMPLIANCE,
ENVIRONMENTAL HEALTH AND SAFETY OFFICE
UPDATE MARCH 2020

ORIGINAL MAY 2009

UPDATE 2020

- The District disinfectant of choice for high touch surfaces ZEP Spirit II, has already been EPA **approved for use** against coronavirus (COVID-19).
- This was confirmed by checking the EPA's Registered Antimicrobial Products for Use Against Novel Coronavirus SARS-CoV-2, the Cause of COVID-19 list released on 03/03/2020.

TRAINING GOALS

- Give participants an understanding of the regulations concerning disinfectant use.
- Explain why the disinfectant product was selected by the district.
- Overview on product specifications.
- Instructions for ordering product from district warehouse.
- Instruct audience on the proper use of the disinfectant including where to use and frequency.

DISINFECTANTS

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- **Federal Insecticide, Fungicide and Rodenticide Background**
 - FIFRA was originally passed in 1947 and has been amended several times over the decades. The act authorizes the EPA to regulate the manufacture, distribution, and sale of antimicrobials used in the United States.
 - The EPA can regulate disinfectant use through labeling, packaging, composition, and disposal. As an added protective measure, the EPA also has the authority to suspend or cancel registration of a disinfectant should new information show that continued use of the product would pose unreasonable risks, including risks related to inappropriate labeling of a product.

WHAT DOES THIS MEAN FOR SCHOOLS?

- First of all, we must continue to select disinfectants that meet all legal requirements and are EPA registered.
- The Center for Disease Control (CDC) recommends the use of EPA registered disinfectants in response to certain disease outbreaks in our schools.
- In response to this, the district has selected a product that is on all 8 lists of the EPA's Registered Sterilizers, Tuberculocides, and Antimicrobial Products Against Certain Human Public Health Bacteria and Viruses.
- These are listings of EPA's registered antimicrobial products effective against certain bloodborne / body fluid pathogens, *Mycobacteria tuberculosis* (tubercle bacteria), human HIV-1 virus, Hepatitis B, Hepatitis C viruses, Methicillin Resistant *Staphylococcus aureus* (MRSA), Vancomycin Resistant *Enterococcus faecalis* or *faecium* (VRE), human *Norovirus* (Norwalk like Virus) and now Novel Coronavirus SARS-CoV-2.

ZEP SPIRIT II

- EPA Registration # 1839-83
- Ready to use (RTU) disinfectant.
- Sold in four sizes (qt., gal., 5 gal., 20 gal.)
- MSDS is can be provided.
- Product use literature can be provided.

ZEP SPIRIT II

- **Bactericidal** • Kills Staphylococcus, aureus, Salmonella typhi, and Pseudomonas aeruginosa on precleaned environmental surfaces.
- **Virucidal** • Kills HIV-1 (associated with AIDS), HBV (Hepatitis B Virus), Canine Parvovirus and Coronavirus SARS-CoV-2, on pre-cleaned, environmental, inanimate, and non-porous surfaces.
- **Fungicidal** • Kills Tricophyton mentagrophytes (Athlete's Foot Fungus) on pre-cleaned, non-porous, and hard surfaces.
- **Mildewstatic** • Controls mildew growth on pre-cleaned, hard, non-porous surfaces.
- **Tuberculocidal** • Conforms to OSHA's Bloodborne Pathogens procedures for environmental surfaces, including control of Mycobacterium Tuberculosis BCG.

ZEP SPIRIT II

- **Cleans** • Powerful detergent system quickly cuts through grease and heavy soil, to allow for easy wiping.
- **Deodorizes** • Neutralizes many unpleasant odors at the source. Leaves entire work area with a fresh, clean fragrance.
- **Ready-to-use** • No dilution required, no waste. Packaged in its own dispenser.
- **No rinsing required** • Just spray on and then wipe off. No rinsing required, except on food-contact surfaces.
On cafeteria tables this would need to be rinsed off after application.

HOW TO ORDER ZEP SPIRIT II

- These items are requisitioned, just as any other item that is ordered, from the District Warehouse.
- Presently, two sizes are carried in the warehouse.
- Item #08691 is listed in the catalog as Disinfectant, Zep Spirit II is sold by the bottle (quart) and the price currently is \$6.22. This is a spray bottle.
- Item #08692 is listed in the catalog as Disinfectant, Zep Spirit II is sold by the gallon and the price is \$14.24. **This would be used to refill the spray bottles.**
- Someone at your site (bookkeeper, secretary, etc.) can order through the warehouse for you if you are not currently requisitioning items from the warehouse yourself. The ordering process is on the web and a username and password is required. The District Warehouse phone number is 922-0657.

DISINFECTING OUR SCHOOLS

- Restrooms, cafeterias, and locker rooms are more prone to germ contamination than other school areas. But any area where children gather — or anything that they come into contact with — is a potential source of contagion.



DISINFECTING OUR SCHOOLS CONT.

- Restrooms, locker rooms, cafeterias, and drinking fountains should be disinfected regularly (on a daily basis).
- Floors are not considered contact surfaces; therefore, disinfecting them isn't necessary. Cleaning and sanitizing is.
- Other areas to consider are doorknobs, pushbuttons at doors, pushbuttons at elevators and handrails. These are referred to as commonly touched surfaces.



DISINFECTING OUR SCHOOLS CONT.

- Disinfecting is different from sanitizing. Sanitizing is different from cleaning.
- **Cleaning** refers to the removal of germs, dirt, and impurities from surfaces. Cleaning does not kill germs, but by removing them, it lowers their numbers and the risk of spreading infection.
- **Sanitizing** is cleaning with a chemical that has germicidal, virucidal, etc. cleaning properties. General commercially available neutral germicidal cleaners as an example. This done properly should remove/kill 99.99% of germs present.
- **Disinfecting** is accomplished after the initial sanitizing process has been correctly done. By applying it with a spray application it and the correct dwell time (surface stays wet) it should kill 99.9999 % of germs present. Dwell time of ZEP = 10 minutes.

GUIDELINES FOR GENERAL AREAS

Area	Clean & Sanitized	Disinfect
Student-occupied areas, including interior places of assembly, classrooms, corridors, and all other areas designed for occupancy by more than two (2) persons	Daily	Daily Frequently touched surfaces like water fountains, bathroom fixtures, door knobs, hand rails, elevator buttons, cafeteria tables and other hard surfaces with frequent hand contact. Food contact surfaces in cafeterias or other areas must be rinsed off after application.
Administrative and faculty offices designed for single or double occupancy	Once per Week	Daily Frequently touched surfaces.
Toilet rooms, shower and locker rooms, drinking water fountains, and clinics	Daily	Daily Frequently touched surfaces. Drinking water fountains are rinsed or flushed with plain water after disinfection.
Food service areas are cleaned and sanitized	Daily	Daily Frequently touched surfaces.
Floor drains are sanitized and flushed with water.	Once per Day	NA

CAFETERIA CLEANING

- Clean cafeterias just as you do now. This would include cleaning with your cleaners that you normally use.
- After cleaning, disinfectant shall be applied to cafeteria tables and other common touch areas. Allow to sit for a 10 minute contact time.
- All areas where food may contact product **must be rinsed** after application (i.e. tables and serving line).
- ***This product is not to be used in food preparation areas (KITCHENS).***

CONCLUSION

- The EPA regulates disinfectants in the USA.
- The CDC recommends the use of EPA registered disinfectants.
- ZEP Spirit II EPA Registration # 1839-83 a ready to use (RTU) disinfectant will be used by all Leon County School District sites to disinfect.
- The product will be ordered from the District Warehouse.
- The product will be used in strict accordance with the directions for use on the product label.
- The product will be used daily as outlined in this presentation.

CONCLUSION CONT.

- Building Maintenance Supervisors are responsible for training their custodial staff on the usage of disinfectant at their site.
- If you need assistance the Environmental Health and Safety Office may be reached by calling 617-1780.
- A copy of this presentation (LCSB Disinfectant Use Procedure) is available on the Code Enforcement & Compliance website in the Environmental Health & Safety link.