

# 128 E-FECTicide

## TECHNICAL BULLETIN

### One Step Disinfectant Cleaner Virucide Deodorizer

#### Where to Use

128 E-FECTicide is for use on hard, non-porous surfaces in: Hospitals, medical and dental offices and clinics, healthcare facilities, nursing homes, EMS & fire facilities, emergency vehicles, day care centers and nurseries, restaurants and bars, supermarkets, retail and wholesale establishments, correctional facilities, Institutional facilities, hotels and motels, public restrooms, shower rooms, schools, colleges, commercial and industrial institutions, athletic facilities and locker rooms, exercise facilities, health clubs, whirlpools, food preparation and storage areas, food processing plants, USDA inspected food-processing facilities, farms, veterinary clinics, animal life science laboratories, kennels, zoos, tack shops, pet shops, campers, RV's, automobiles, cruise ships and public transportation.

#### Surface Safe

128 E-FECTicide is formulated to disinfect on hard, non-porous surfaces such as: Hospital beds, bed railings, bedpans, shower stalls, toilet bowl surfaces, urinals, empty diaper pails, vanity tops, glazed porcelain, glazed tile and restroom fixtures, tables, chairs, desks, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans/pails, glass, laminated surfaces, metal, stainless steel, glazed porcelain, glazed ceramic, sealed granite, sealed marble, plastic such as polycarbonate, polyvinylchloride, polystyrene or polypropylene, sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl, enameled surfaces, finished woodwork, vinyl and plastic upholstery, washable wallpaper, wrestling and gymnastic mats, athletic training tables, physical therapy tables, exercise equipment.

**Multi-Clean 128 E-Fecticide Disinfectant Cleaner (EPA registration No. 6836-365-5449)** has demonstrated effectiveness against viruses similar to the 2019 Novel Coronavirus (SARS-CoV-2, the cause of COVID-19) on hard, non-porous surfaces.

Therefore, **Multi-Clean 128 E-Fecticide Disinfectant Cleaner** can be used against the 2019 Novel Coronavirus (SARS-CoV-2, the cause of COVID-19) when used in accordance with directions for use against Norovirus on hard, non-porous surfaces.

For more information about the 2019 Novel Coronavirus (SARS-CoV-2, the cause of COVID-19), refer to the CDC website <https://www.cdc.gov/coronavirus/2019-ncov/index.html> for additional information.

#### 128 E-FECTicide Specifications

Appearance.....	Green Liquid, Floral Scent
pH (undiluted).....	7- 8
Flashpoint.....	None
Dilutions.....	1 oz./gal. (1:128) 1370ppm
Water Hardness.....	Effective up to 250 ppm CaCO <sub>3</sub>
.....	In the presence of 5% serum
.....	contamination
% Active.....	16.67-18.43% (Quaternary)
Foam.....	Low - Moderate
EPA Registration Number.....	6836-365-5449
DIN Registration Number.....	NA
Canadian PCPNumber.....	NA
USDA.....	A4, C1, D1

128 E-FECTicide meets the CDC criteria for disinfectant products with label claims for the non-enveloped virus Norovirus. 128 E-FECTicide is intended for use on hard, non-porous surfaces, follow label instructions for non-enveloped viruses.

\* Complies with Bloodborne Pathogens Act. 128 E-FECTicide kills bloodborne pathogens HBV, HCV & HIV-1, making it suitable for low level disinfection of surfaces contaminated with blood or bodily fluids.

128 E-FECTicide is a one-step disinfectant, Bactericidal according to the current AOAC Use Dilution Test Method and Virucidal\* according to the virucidal qualification modified in the presence of 250 ppm hard water plus 5% organic serum, 5 minute contact time, against:

**5 Minute Contact Time:**

**Bacteria:**

Pseudomonas aeruginosa [Pseudomonas]  
Salmonella enterica [Salmonella]  
Staphylococcus aureus [Staph]  
Acinetobacter baumannii [Acinetobacter]  
Enterobacter aerogenes  
Enterobacter cloacae NDM 1 – Carbapenem Resistant [CRE]  
Enterococcus faecalis - Vancomycin resistant [VRE]  
Escherichia coli [E. coli]  
Escherichia coli O157:H7  
Escherichia coli – Extended Spectrum Beta Lactamase producing [ESBL E. Coli]  
Escherichia coli NDM-1 - Carbapenem Resistant [CRE]  
Klebsiella pneumoniae [Klebsiella]  
Klebsiella pneumoniae – Extended Beta Lactamase producing  
Klebsiella pneumoniae NDM 1- Carbapenem Resistant [CRE]  
Staphylococcus aureus - Community Associated Methicillin-Resistant [CA-MRSA] (NRS384) (USA300)  
Staphylococcus aureus - Methicillin-Resistant [MRSA]  
Staphylococcus aureus - Vancomycin Resistant – [VRSA]  
Streptococcus pyogenes [Strep] [a cause of scarlet fever]

**Viruses:**

Influenza A Virus (H7N9)  
Hepatitis B Virus [HBV]  
\*Hepatitis C Virus [HCV]  
\*Herpes Simplex Virus Type 1  
\*Herpes Simplex Virus Type 2  
HIV-1 [AIDS virus]  
\*Human Coronavirus  
Influenza A virus / Hong Kong [Influenza] [Influenza Virus]  
\*Norwalk Virus – Norovirus  
\*Respiratory Syncytial Virus [RSV]  
SARS associated Coronavirus [SARS]  
\*Vaccinia [Pox Virus]

This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

**Animal Viruses:**

Avian Influenza (H5N1)  
Feline Calicivirus

**Fungi:**

Candida albicans

**10 Minute Contact Time:**

**Fungi:**

Trichophyton mentagrophytes [athlete's foot fungus] [4 oz. per gallon]

**Animal Viruses:**

Canine Parvovirus [8 oz. per gallon]

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected.

### **Preparation of Disinfectant Use-Solution:**

Add 1 oz. per gallon of water. For heavy duty use, add 4 oz. per gallon of water.

### **DISINFECTION / VIRUCIDAL:**

Apply use-solution to hard, nonporous surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain wet for 5 minutes. Wipe dry with a cloth, sponge or mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6 - 8 inches from the surface; rub with a brush, sponge or cloth. Do not breathe spray. Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes. 128 E-FECTicide is effective in one step against *Candida albicans* at 1 oz. per gallon in 250 ppm hard water and 5% serum. Treated surfaces must remain wet for 5 minute contact time. To disinfect food processing facilities: Spray surfaces with solution and allow to remain wet for 5 minutes. Rinse food contact surfaces with potable water prior to reuse. Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted. This product is not for use on medical device surfaces.

**TO CLEAN AND DEODORIZE:** Mix 1 - 2 oz. of 128 E-FECTicide per gallon of water to clean and deodorize surfaces. Use with a sprayer. Wipe or allow to air dry.

### **DEODORIZING DIRECTIONS:**

Spray Mopping Solutions: 1 - 2 oz. per gallon of water eliminates undesirable odors. Allow surfaces to air dry. Nursing Homes, Hospitals, Hotels, Schools, Restaurants: Using 1 - 2 oz. in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposals, commodes and air conditioner pans will eliminate odors. Mopping Solutions, Automatic Scrubbers: Using 1 - 2 oz. per gallon of cleaning solution eliminates undesirable odors.

**Air Freshener/Automotive Uses:** 8 ounces per gallon of water or desired concentration is effective on smoking and cooking odors (garlic, fish, onions, etc.). Automobile odors from tobacco, musty carpet smell and beverage smells will be eliminated.

**RV Holding Tanks:** Toilet waste: cover bottom of holding tank with water and add 1 - 2 oz. per gallon of water. If odors return before time to empty, simply add 1 - 2 oz. per gallon of water to the tank. Kitchen waste: 1 - 2 oz. of 128 E-FECTicide per gallon of water to gray water tank as needed to control malodors created by dirty dish water. Sewage Backup, Water Damage: 2 - 4 oz. per gallon of water or desired concentration. Spray over affected areas before and after cleaning and extraction. Allow 5 minutes contact time. Use proper ventilation; open windows.

**Cleaning Solution:** Dilute 1 - 2 oz. per gallon of water for cleaning of kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors and large routine applications. Apply to surfaces using trigger spray or other spray device. Remove excess liquid or allow surfaces to air dry.



600 Cardigan Road  
Shoreview, Minnesota  
[www.multi-clean.com](http://www.multi-clean.com)