

# 128 E-FECTicide

## TECHNICAL BULLETIN

### One Step Disinfectant Cleaner Virucide Deodorizer

Kills SARS-CoV-2 in 1 Minute.

#### 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) Kills SARS-CoV-2 in 1 minute 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.

**Monkeypox** is caused by monkeypox virus. **E-Fecticide 128** kills similar viruses and therefore can be used against monkeypox virus when used in accordance with the directions for use against **Norovirus** on hard, non-porous surfaces. Refer to the CDC website at <https://www.cdc.gov/poxvirus/monkeypox/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 against:

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**1 Minute Contact Time:**

**Viruses:**

\*SARS-Related Coronavirus 2 (SARS-CoV-2) cause of COVID-19

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**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:**

\*Adenovirus Type 5  
\*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 (H7N9)  
\*Influenza A virus/ H3N2 [Influenza] [Influenza Virus]  
\*Norwalk Virus - Norovirus  
\*Respiratory Syncytial Virus [RSV]  
\*SARS associated Coronavirus [SARS]  
\*Vaccinia

**Animal Viruses:**

Avian Influenza (H5N1)  
Feline Calicivirus

**Fungi:**

Candida albicans

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**10 Minute Contact Time:**

**Fungi:**

Candida auris [8 oz. per gallon of water]  
Trichophyton interdigitale [athlete's foot fungus] [4 oz. per gallon of water]

**Animal Viruses:**

Canine Parvovirus [8 oz. per gallon of water]

## **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.

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.

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

Add 1 oz. per gallon of water [1: 128]. For fungicidal activity against *Trichophyton interdigitale*, dilute 4 oz. of the concentrate with water to make 1 gallon of the disinfectant solution [1 :31 ]. To kill *Trichophyton interdigitale* [athlete's foot fungus], dilute 4 oz. of the concentrate with water to make 1 gallon of the disinfectant solution. For fungicidal activity against *Candida auris*, dilute 8 oz. of the concentrate with water to make 1 gallon of the disinfectant solution [1: 15]. To kill *Candida auris*, dilute 8 oz. of the concentrate with water to make 1 gallon of disinfectant solution [1: 15]. For virucidal activity against Canine Parvovirus, dilute 8 oz. of the concentrate with water to make 1 gallon of the disinfectant solution [1: 15]. To kill Canine Parvovirus, dilute 8 oz. of the concentrate with water to make 1 gallon of disinfectant solution [1: 15].

### **DISINFECTION / VIRUCIDAL:**

Apply use-solution to hard, nonporous, non-food contact surfaces, thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. Treated surfaces must remain visibly wet for 5 minutes. For SARS-Cov-2, treated surfaces must remain visibly wet for 1 minute. 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. Do not breathe spray. This product 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.

**Bactericidal Stability of Spray Use-Dilution:** Tests confirm that the use solution of this product, when stored in a sealed container such as a spray bottle, remains effective for up to 2 weeks. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product.

### **\*KILLS HIV AND HBV AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/ OBJECTS**

**PREVIOUSLY SOILED WITH BLOOD/ BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/ objects with blood or body fluids, and in which the surfaces / objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 [HIV-1] [associated with AIDS] or Hepatitis B Virus [HBV] or Hepatitis C Virus [HCV]. Special Instructions for Cleaning and Decontamination against HIV-1 or HBV or HCV on Surfaces / Objects Soiled With Blood / Body Fluids.

**Personal Protection:** Cleanup must always be done wearing protective gloves, gowns, masks and eye protection.

**Cleaning Procedure:** Blood and other body fluids containing HIV-1 or HBV or HCV must be thoroughly cleaned from surfaces and objects before application of 128 E-Fecticide.

**Contact Time:** Leave surface visibly wet for 5 minutes with a 1 oz. per gallon usesolution.

**Disposal of Infectious Material:** Blood, body fluids, cleaning materials and clothing must be autoclaved and disposed of according to local regulations for infectious waste disposal.

## **For Use as a One-Step Cleaner and Disinfectant Against Bacteria and Viruses by Electrostatic Spraying<sup>1</sup>:**

Electrostatic spray application is for efficacy claims with a 5 minute contact time and 1:128 dilution. This application method is not to be used to treat surfaces for Canine parvovirus or fungicidal claims.

- Ensure bystanders and pets are not present in the room during application.
- Clean visibly dirty surfaces prior to spraying.
- Wear a N95 filtering facepiece respirator or half face respirator with a N95 filter and eye protection (goggles, face shield or safety glasses) when spraying.
- Select a spray nozzle that produces spray droplet particles with a volume median diameter (VMD)  $\geq 80 \mu\text{m}$ .
- Place the electrostatic spray function in the ON position for electrostatic spray models that have the functionality to toggle ON/OFF.
- Hold the sprayer nozzle 12 inches away from the target surface. Starting at the highest point and working down to the lowest point, spray target surfaces using a smooth methodical “S” pattern. To avoid leaving gaps in sprayed surfaces, overlap previously treated surfaces when moving onto subsequent sections.
- The target surface must remain visibly wet for 5 minutes. Re-apply product as necessary to keep surface visibly wet for the duration of the contact time. Wipe surfaces dry (or rinse) (or allow to air dry).
- Allow the treated room to remain unoccupied for 15 minutes before reentering.

### Footnotes:

1 On hard, non-porous, non-food surfaces

2 Staphylococcus aureus

3 Pseudomonas aeruginosa

4 Salmonella enterica

5 10-minute contact time for Trichophyton interdigitale and Candida auris and Canine parvovirus

6 Allow the surface to adjust to room temperature before disinfection.

7 Rinse toys with clean, potable water after disinfecting.

8 SARS-Related Coronavirus 2

**Multi-Clean<sup>®</sup>**  
*Your Guide to Clean*

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