



# **SYNERGY FOUR™**

## **DISINFECTANT-CLEANER**

Effective against M.R.S.A. (methicillin resistant staphylococcus aureus)  
Effective against e-coli, listeria, Influenza A (H1N1) and Hepatitis A,B & C  
On EPA List N - Effective against Human Coronavirus and SARS-CoV-2.<sup>1</sup>  
May be used against Monkeypox<sup>2</sup>  
Saves Labor - Disinfects, cleans & deodorizes in one step  
Won't dull floor finish - Floors stay in peak condition longer

Synergy Four Disinfectant is a quaternary ammonium disinfectant/cleaner formulated for its pleasant-to-use qualities. It will find immediate acceptance by housekeeping personnel in hospitals, nursing homes, immediate care facilities, day care centers, and other areas where germ-free surfaces are desired. Other areas for use include veterinary clinics, life sciences laboratories, farms, schools and colleges. Anywhere that disease and odor causing germs may be a problem, is the place for Synergy Four Disinfectant.

Synergy Four Disinfectant is bactericidal, virucidal and fungicidal. It is for use on hard non-porous surfaces such as floors, walls, plastic surfaces, porcelain surfaces, stainless steel and other metal surfaces. It may be applied with a mop, sponge or cloth as well as by soaking, trigger sprayer or pump sprayer. Rinsing is not necessary except when floors are to be recoated with finish. Minimum contact time for killing organisms is 10 min.

**Pleasant to use:** Synergy Four Disinfectant, at use-dilution, is designed to solve the problem of harsh disinfectants that are foul smelling, corrosive to the skin, and otherwise not "user friendly." Its pleasant fresh linen fragrance overcomes the reluctance to use a product that irritates the nose. It has been shown that better disinfection results when personnel enjoy using the product; and therefore, use it properly for greater germ killing efficacy. Synergy Four Disinfectant concentrate is only an eye irritant.

**Won't dull floor finish:** Many of the new generation quaternary disinfectant-cleaners are so aggressive they attack floor finish and dull its gloss, reducing its life expectancy. Synergy Four Disinfectant, at use-dilution, is formulated to clean well, but not attack floor finish. This saves the extra labor required for buffing and additional recoating. Floors stay in peak

condition longer.

**Effective disinfection action:** Synergy Four Disinfectant successfully passed the latest A.O.A.C. Use-Dilution tests in 400 ppm water hardness with 5% serum contamination. This means that Synergy Four Disinfectant will still give an effective kill in very hard water even when contaminated with organic soil. Synergy Four Disinfectant cleans and disinfects just as effectively at the finish as it does at the beginning.

**Technical Information:** We invite you to compare the germ killing statistics of Synergy Four Disinfectant with any other disinfectant. The complete technical data and a summary of the test results are on the back of this sheet. A brief summary of the technical data follows. See the back of this page for complete test results.

Synergy Four Disinfectant is effective against a broad range of bacteria including M.R.S.A., various antibiotic resistant strains of Strept. and others. It is virucidal against \*HIV-1 (AIDS), Herpes simplex Type I and II, Coronavirus and many other viruses. It is also fungicidal as evidenced by its performance against Trichophyton mentagrophytes (athlete's foot).

**Veterinary qualifications:** Synergy Four Disinfectant has been proven effective against many animal disease causing germs. Some of these are the Asian Influenza Viruses H5N1 & H3N2, Canine Parvovirus\*\*, Feline Picorna Virus, Canine Coronavirus, Canine Distemper Virus, Rabies Virus\*\* and Swine Influenza A Virus (H1N1).

**Damon Extras:** Your Damon Industries account manager is prepared to train your staff in the proper use of disinfectants through an in-service program. Wall signs and spray bottle labels are available. Metered dispensing systems are also available.

**Dilution rate:**

2 oz. per gallon (1:64 ) See exceptions below.

**Health & safety:**

CAUTION: Eye Irritant.

**Packaging:**

One gallon recyclable polyethylene jugs packed 4 per case.

**DISINFECTION PERFORMANCE:** This product kills the following bacteria in 10 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces: *Acinetobacter baumannii*, *Acinetobacter iwoffi*, *Bordetella bronchiseptica*, *Chlamydia psittaci*, *Citrobacter freundii*, *Enterobacter agglomerans*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Escherichia coli*, *Escherichia coli* 0157:H7, *Escherichia coli* (Extended Spectrum  $\beta$ -Lactamase) (ESBL), *Escherichia coli* (Tetracycline Resistant), *Enterococcus faecalis*, *Enterococcus hirae*, *Fusobacterium necrophorum*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Micrococcus luteus*, *Pasteurella multocida*, *Proteus vulgaris*, *Pseudomonas aeruginosa*, *Pseudomonas aeruginosa* (Tetracycline Resistant), *Pseudomonas cepacia*, *Salmonella enterica*, *Salmonella enteritidis*, *Salmonella typhimurium*, *Serratia marcescens*, *Shigella flexneri*, *Shigella sonnei*, *Staphylococcus aureus*, *Staphylococcus aureus* (Community Associated Methicillin Resistant) (CA-MRSA), *Staphylococcus aureus* (Methicillin Resistant) (MRSA), *Staphylococcus epidermidis*, *Staphylococcus epidermidis* (Ampicillin, Cefazolin, Oxacillin, Penicillin Resistant), *Streptococcus agalactiae*, *Staphylococcus haemolyticus*, *Streptococcus pneumoniae* (Penicillin Resistant), *Streptococcus pyogenes*, *Streptococcus mutans*, *Enterococcus faecalis* (Vancomycin Resistant) (VRE), *Staphylococcus aureus* (Vancomycin Intermediate Resistant) (VISA), *Vibrio cholera* and *Yersinia enterocolitica*.

**FUNGICIDAL PERFORMANCE:** This product kills the following fungi in 10 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces: *Candida albicans* and *Trichophyton mentagrophytes* (athlete's foot fungus).

**MILDEWSTATIC PERFORMANCE:** This product controls the following mold at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces for up to 7 days: *Aspergillus niger*.

**VIROCIDAL\* PERFORMANCE:** This product kills the following viruses in 10 minutes at 2 oz. per gal. of 400 ppm hard water (660 ppm active) and 5% soil on hard, non-porous surfaces: Asian Infectious Bronchitis Virus (Strain Beaudette IB42), Asian Influenza A (H3N2) Virus (Asian Reassortant), Asian Influenza A (H5N1) Virus, Asian Influenza A Virus (H3N2), Asian Influenza A Virus (H5N1), Canine Coronavirus, Canine Distemper Virus, Coronavirus (SARS-associated), Cytomegalovirus, Feline Picornavirus, Hantavirus, Hepatitis B Virus, Hepatitis C Virus, Herpes Simplex Virus Type 1, Herpes Simplex Virus Type 2, Human Coronavirus, Human Immunodeficiency Virus Type 1 (HIV 1), Infectious Bovine Rhinotracheitis Virus, Influenza A (H1N1) Virus, Influenza A (H3N2) Virus, Pseudorabies Virus, Respiratory Syncytial Virus, Swine Influenza A Virus (H1N1) and Transmissible Gastroenteritis Virus. This product kills the following viruses in 10 minutes at 2.25 oz. per gal. of 400 ppm hard water and 5% soil on hard, non-porous surfaces: Rabies Virus. This product kills the following viruses in 10 minutes at 9 oz. per gal. of 400 ppm hard water and 5% soil on hard, non-porous surfaces: Canine Parvovirus\*\* (CPV).

\* Kills HIV-1 (AIDS virus) on precleaned environmental surfaces/objects previously soiled with blood/body fluids in healthcare 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).

\*\* Indicates that a dilution of 9 oz. per gal. of water is required for this claim.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) ON SURFACES / OBJECTS SOILED WITH BLOOD / BODY FLUIDS:**

**Personal Protection:** Disposable latex or vinyl gloves, gowns, face masks or eye coverings as appropriate, must be worn during all cleaning of body fluids, blood, and decontamination procedures.

**Cleaning Procedures:** Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant.

**Contact Time:** Effective against HIV-1 (AIDS virus) on hard-non-porous surfaces in the presence of a moderate amount of organic soil (5% blood serum) when used at the proper use dilution (providing 600 ppm of active quaternary) in 400 ppm CaCO<sub>3</sub> hard water for a contact time of 4 minutes at room temperature (20-25° C). Use a ten (10) minute contact time for disinfection against all other bacteria, fungi and viruses claimed (listed on labeling).

**1 SARS-CoV-2**

Synergy Four Disinfectant is on EPA List N, approved for use against SARS-CoV-2 virus that causes COVID-19 disease, because it is effective against the human coronavirus. EPA Reg. No. 10324-154

**LIST N:** <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

**2 MONKEYPOX**

This product has demonstrated effectiveness against viruses similar to *Monkeypox* on hard, nonporous surfaces. Therefore, this product can be used against *Monkeypox* when used in accordance with the directions for use against *Canine Parvovirus* on hard, nonporous surfaces. Refer to the CDC website at <https://www.cdc.gov/poxvirus/monkeypox/index.html> for additional information.

