



TECHNICAL BULLETIN

Vail

Multi Surface Cleaner + Disinfectant

EPA Registration Number 1839-95-84179



PRODUCT DESCRIPTION

WHAT I AM

Vail is a phosphate free formulation designed to provide effective cleaning, deodorization, and disinfection specifically for hospitals, nursing homes, food processing plants, food service establishments, office buildings, hotels and lodging establishments where housekeeping is of prime importance in controlling cross contamination.

PRODUCT FEATURES

- An excellent all-around cleaner/disinfectant effective for most applications at 1 to 64 dilution (2 oz. per gallon)
- Hospital grade / Insures complete broad spectrum disinfecting
- Can be found on the EPA List N: Disinfectants for Use Against SARS-CoV-2
- Kills AIDS virus / Reduces danger of contamination from hard surfaces
- Biodegradable, phosphate free / Environmentally responsible
- Multiple applications / Variety of uses for both institutional and industrial areas

IDEAL FOR

Nursing homes, hospitals, schools, restaurants, institutional kitchens, food service establishments, ambulances, doctor's offices.

OUR PROMISE

SAFER & STRONGER™

Get the best of both worlds with Cleanslate.

Our products are powerful enough to tackle your grimeiest surfaces – yet gentle enough for your health & our planet.



Biodegradable
Surfactants



Phosphorous
Free



Non-
Flammable



Commercial
Grade

PRODUCT SPECIFICATIONS

Physical Description	Clear Liquid
Color	Violet
Flashpoint	>200°F
Odor	Lemony, Citrus
pH	11.7 ± 0.3
Viscosity	Water Thin
Weight per Gallon	8.7 lb / gal
Storage Stability	1 year minimum
D.O.T. Shipping Label	UN1903, Disinfectant liquid, corrosive, n.o.s. (quaternary ammonium compound), 8, PG III

OPTIMAL APPLICATIONS

Floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets.

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ORGANISM LIST

DISINFECTION: To disinfect inanimate, hard, non-porous surfaces add 2 ounces of this product per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required.

TO DISINFECT FOOD PROCESSING PREMISES: Before using this product, food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 2 ounces of this product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES: Before using this product, food products and packaging materials must be removed from the area or carefully protected. For countertops, appliances, tables, add 2 ounces of this product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. This product cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

BACTERICIDAL ACTIVITY: When diluted at the rate of 2 ounces per gallon of water, this product exhibits effective, one-step disinfectant activity against the organisms: *Pseudomonas aeruginosa* PRD 10, *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella schottmuelleri*, *Salmonella enterica*, *Streptococcus salivarius*, *Brevibacterium ammoniagenes*, *Streptococcus faecalis*, *Shigella dysenteriae*, *Enterobacter aerogenes*, *Staphylococcus aureus*, Methicillin resistant *Staphylococcus aureus* (MRSA), Vancomycin intermediate resistant *Staphylococcus aureus* (VISA), *Streptococcus pyogenes* (Clinical-Flesh Eating Strain BIRD M3) and *Klebsiella pneumoniae* New Delhi Metallo-Beta Lactamase (NDM-1) Carbapenem Resistant, *Acinetobacter baumannii*, *Enterococcus faecium*, Vancomycin resistant *Enterococcus faecalis* (VRE) and meets all requirements for hospital use.

FUNGICIDAL ACTIVITY: At the 2 ounces per gallon dilution, this product is also fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (causative agent of Athlete's Foot Fungus) (a cause of ringworm of the foot), when used as directed on hard surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard, non-porous, surfaces commonly contacted by bare feet. Follow the Disinfection directions.

***VIRUCIDAL ACTIVITY:** This product, when used on environmental, inanimate, hard, non-porous surfaces at 2 ounces per gallon of water, exhibits effective virucidal activity against Influenza A2/Japan (representative of the common flu virus), Herpes Simplex Type 1 (causative agent of fever blisters), Adenovirus Type 2 (causative agent of upper respiratory infections), Vaccinia virus (representative of the Pox virus group), Human Coronavirus (ATCC VR-740, Strain 229E), Human Immunodeficiency Virus Type I (HIV-1), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Norovirus (Norwalk Virus), Bovine Viral Diarrhea Virus (BVDV), Feline calicivirus (FCV), SARS Associated Coronavirus, Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) (Strain NVSL) and Avian Influenza A. Follow the Disinfection directions.

DEODORIZATION: To deodorize, apply this product as indicated under the heading DISINFECTION.

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