



CASTLE® H-110™

**CLEANER • DISINFECTANT • DETERGENT • DEODORIZER
FUNGICIDE (against pathogenic fungi) • *VIRUCIDE
MILDEWSTAT (on hard, non-porous, inanimate surfaces)**

For Hospital, Industrial, School, Restaurant, Bar, Tavern and Institutional Kitchen Use
EPA Registration # 1839-169-64174

**APPROVED BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
FOR USE AGAINST THE 2019 NOVEL CORONAVIRUS (COVID-19)**

DESCRIPTION: Castle® H-110™ is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, schools, food service establishments, restaurants, transportation terminals, office buildings, manufacturing facilities, retail business, and athletic/recreation facilities and sports stadiums where housekeeping is of prime importance in controlling cross-contamination from treated surfaces.



DIRECTIONS:

General Use: Apply Castle® H-110™ to walls, floors, and other hard (inanimate), nonporous surfaces (such as tables, chairs, countertops, sinks, and bed-frames) with a cloth, mop, or mechanical spray device so as to wet surfaces thoroughly. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use-solution becomes visibly dirty.

Disinfection: To disinfect hard, non-porous surfaces, treated surfaces must remain wet for 10 minutes.

For hospitals and nursing homes: Add 2 oz. per gallon of water. The activity of Castle® H-110™ has been evaluated in the presence of 5% serum by the AOAC use dilution test and found to be effective against a broad spectrum of gram-negative and gram-positive organisms including:

Pseudomonas aeruginosa, Staphylococcus aureus, Escherichia coli, Serratia marcescens, Klebsiella pneumoniae, Enterobacter aerogenes, Shigella dysenteriae

Castle® H-110™ delivers excellent cleaning and germicidal effectiveness. It is effective against Staphylococcus aureus and Escherichia coli. The same AOAC tests used above to confirm suitable performance for hospitals were used.

Fungicidal Performance: Castle® H-110™ at 2 oz. per gallon is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

Virucidal Performance: At 2 oz. per gallon use level, Castle® H-110™ was evaluated in the presence of 5% serum and found to be effective against the following viruses: Influenza A2/Hong Kong, Herpes Simplex, and Vaccinia on inanimate environmental surfaces. Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables, etc.): At 2 oz. per gallon use-level, Castle® H-110™ is an effective sanitizer against Staphylococcus aureus and Klebsiella pneumoniae in the presence of 5% serum on porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

Mold and Mildew Control: At 1 oz. per gallon, Castle® H-110™ will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

PACKAGING: 1 Gallon
5 Gallons

SPECIFICATIONS: Color: Blue
Ph: 10
Protect from freezing