

# Pine Disinfectant

## One – Step Quaternary Pine Oil Hard Surface Disinfectant – Cleaner – Sanitizer – Fungicide – Mildewstat– Deodorizer

Cross-contamination is a major housekeeping concern in schools, hospitals, nursing homes, day care centers and major industries. This product has been formulated to aid in the reduction of cross-contamination in these areas. When used as directed it will clean, deodorize and disinfect surfaces in toilet areas, sinks, counters, floors, walls, tables, bedframes, receptacles and garbage storage areas and other places bacterial growth can be a problem. This pine oil disinfectant is a proven one-step disinfectant-cleaner-sanitizer-fungicide-mildewstat in the presence of organic soil.

At 2.5 ounces per gallon of water this product meets the current EPA organic soil contamination requirements which call for all efficacy testing to be carried out in the presence of 5% blood serum for one-step cleaner-disinfectants and non-food contact sanitizers. A 2.5 ounce dilution yields 371ppm active quaternary. At this dilution it passes the AOAC use dilution tests against:

Staphylococcus aureus  
Brevibacterium ammoniagenes  
Salmonella typhi  
Salmonella schottmuelleri  
Escherichia coli  
Streptococcus faecalis

Salmonella choleraesuis  
Enterobacter aerogenes  
Serratia marcescens  
Streptococcus pyogenes  
Shigella dysenteriae

At 5 ounces per gallon dilution, this product is an effective disinfectant in the presence of 5% blood serum and 400ppm water hardness. This was confirmed against the following organisms:

Staphylococcus aureus  
Escherichia coli

Salmonella choleraesuis

At 2.5 ounces per gallon use-dilution fungicidal control is achieved when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Fungicidal activity has been demonstrated in the presence of both 5% blood serum and 400ppm hard water against Trichophyton mentagrophytes. This use-dilution will also effectively inhibit the growth of mold and mildew and the odors caused by them.

### SPECIFICATIONS

Color.....	Colorless
Fragrance.....	Pine
Density at room temperature.....	8.29 lbs./gal
Specific Gravity.....	0.994
Freeze-Thaw Stability.....	Stable



**HAWK SOLUTIONS**

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