BUSINESS BOOSTERS

QuestSpecialty Corporation

# ENHANCED SURFACE PROTECTION
during
# COLD & FLU SEASON

## FLU IN THE AIR YOU BREATHE

A study of air samples from a health care center, day care center and three commercial airlines showed quantitative support for the possibility of airborne transmission of influenza. Samples showed **15,000 flu viruses per cubic meter of air in particles small enough to remain airborne for hours.**[1]

**Air sanitizing can enhance cleaning and disinfecting procedures.**


### 3290 STAF
**Hospital Spray Disinfectant & Air Sanitizer**

**USDA authorized, non-phenol quat disinfectant, deodorant, air sanitizer**

**Key Benefits:**
- *Glycolized for effective air sanitization*
- *Kills MRSA on treated surfaces*
- *Bactericidal, Staphylocidal, Pseudomonicidal*
- *Controls mold, mildew, and fungus*
- *Fresh, pleasant fragrance*

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# GERMS SPREAD QUICKLY

**Within two to four hours, 40% to 60% of high touch surfaces in a facility can be contaminated** from a virus placed on a single table top or door handle.[2]

**During the day between professional cleaning services, provide employees with disinfectant wipes.**


## 6441 EXPRESS WIPES GERM AWAY Surface Disinfectant

**Key Benefits:**
- *Effective in 2 minutes on common bacteria & viruses*
- *Disposable: Decreases chance of cross-contamination*
- *Use on hard, non-porous surfaces such as stainless steel, counters, phones, etc.*
- *Fresh citrus fragrance*

# AND SURVIVE ON SURFACES

Bacteria and viruses **remain active for varying amounts of time on hard surfaces** as environmental conditions impact survival times. These germs can also survive on fabrics.

| Bacteria / Virus | Lives on Surfaces Up To |
|---|---|
| Influenza (Flu) virus | 48 hours |
| K. pneumoniae (pneumonia, bronchitis) | Up to 40 days |
| Escherichia coli (E coli) | 24 hours |
| Hepatitis A | 1 month |

| Bacteria / Virus | Lives on Surfaces Up To |
|---|---|
| Streptococcus pyogenes (strep) | 24 hours to weeks |
| Salmonella | 4 hours |
| Staphylococcus aureus (MRSA) | Several weeks to months |
| Cold Virus | 7 days |

**Any cleaning during cold & flu season should include steps to address germs on non-porous surfaces.**

## 2170 GERM AWAY
### Foaming Germicidal Cleaner


**USDA authorized, Quat-based Heavy-Duty Cleaner**

**Key Benefits:**
- *One-step cleaner & disinfectant (in presence of organic soil; 5% blood serum)*
- *Clinging foam stays where it is sprayed*
- *Use on tile, chrome, plastic, wood, porcelain, formica and metal surfaces*

*COVID-19 is caused by SARS-CoV-2. Germ Away kills similar viruses and therefore can be used against SARS-CoV-2 when used in accordance with the directions for use against Canine Parvovirus on hard, non-porous surfaces.*

## 3100-3110-3120 PHENOMENAL
### Hospital Disinfectant Deodorant


**Surface disinfectant; Phenol-based, non-quat**

**Key Benefits:**
- *Fragrances: Fresh, Citrus & Country Garden*
- *Virucidal, Tuberculocidal, Fungicidal, Bactericidal, Pseudomonacidal, Staphylocidal*
- *Effective on MRSA, VRE*
- *Disinfects hard, non-porous surfaces; sanitizes porous surfaces*

## 3530-3560 QD-64
### One Step Germicidal Cleaner & Disinfectant

**USDA Authorized, Quat-Based Concentrate**

**Key Benefits:**
- *One-step cleaner & disinfectant (in presence of organic soil; 5% blood serum)*
- *Fragrances: Mint, Pine, Lemon & Fresh*
- *Kills broad spectrum of Gram-negative, Gram-positive organisms*
- *Dilution: 2 oz. per gallon for disinfecting*

## 3730-3760 THRIFT-O
### One Step Germicidal Cleaner & Deodorant

**One-Step Quat Cleaner-Disinfectant-Deodorant**

**Key Benefits:**
- *One-step cleaner, disinfectant & deodorant*
- *Fragrances: Mint, Pine, Lemon & Fresh*
- *Low pH, can be used on waxed floors*
- *Contains two quaternary ammonia disinfectant compounds*
- *Dilution: 4 oz. per gallon for disinfecting*

## 3570 ENCORE PLUS One Step Disinfectant

**RTU Fungicide-Virucide-Mildewstat-Deodorizer-Cleaner**

**Key Benefits:**
- *Ready-to-use; no mixing*
- *Cleans, disinfects, deodorizes in one step*
- *Effective on broad spectrum of bacteria; viruses including Norovirus, Human Coronavirus, SARS-related Coronavirus 2 cause of COVID-19, H1N1 and more.*

## 3580 FINAL QUAT No-Rinse Sanitizer

**Multi-Purpose Disinfectant-Sanitizer-Germicide-Deodorant**

**Key Benefits:**
- Concentrated, one-step disinfectant (1:64), sanitizer (1:192) & deodorant
- Ideal for facilities requiring a no-rinse sanitizer in food contact application
- Kills 99.9% of named bacteria

# PREVENTION STARTS WITH HANDS

Hand washing is the best way to reduce microbes on your hands, however, if soap and water are not available, **use an alcohol-based hand sanitizer that contains as least 60% alcohol.**[3]

**During flu season, add hand sanitizing stations where people congregate, such as by elevator banks, at reception counters, and building entrances/lobbies.**

## 6930 APPLAUSE
### Gelled Hand Sanitizer (alcohol-based)

**Quick evaporation, fresh citrus fragrance gelled hand sanitizer**

**Key Benefits:**
- *Kills 99.9% of most common germs, bacteria, viruses, yeast and mold that cause illness*
- *Alcohol-based (60%)*
- *Convenient size for travel fits in pocket; also counter top or wall dispenser sizes*
- *Concentrated and economical*

Download "Germicides, Disinfectants & Sanitizers" product flyer

Download "Microbial Control Product Guide"

# ADDITIONAL TIPS

## Avoid Quat Binding

Cotton can diminish the effectiveness of a quat disinfectant through quat-binding.

*Use microfiber instead.*[4]

## Microfiber Works Better

Microfiber more effectively removes viruses and bacteria from surfaces than cotton.

*When used with a detergent cleaner, microfiber outperformed cotton by removing 94% of microbials vs. 68% respectively.*[5]

## Two-Step vs. One

Use an EPA registered Cleaner/ Disinfectant for one-step disinfecting if surface is not visibly dirty.

*If in doubt about soil levels, use the two-step process of cleaning first, then disinfecting.*

# MICROBIAL ID CHART

In order to make sure you are using the right disinfectant, here is a listing of most commonly listed scientific names of bacteria found on disinfectant labels and their more commonly known names or infections associated with them:

| | | *QuestSpecialty Disinfectant Products EPA Registered for Effectiveness* | | | |
|---|---|---|---|---|---|
| **BACTERIA** | **Associated with** | **Germ Away** | **Phenomenal** | **QD-64** | **Thrift-O** |
| Enterobacter cloacae | Urinary tract, respiratory tract infections | | | ■ | ■ |
| Escherichia coli | E-Coli | | ■ | ■ | ■ |
| Klebsiella pneumoniae | Pneumonia, bronchopneumonia and bronchitis | | | ■ | ■ |
| Legionella pneumophila | Legionnaires' disease | ■ | | | |
| Methicillian Resistant Staphylococcus aureus | MRSA | ■ | ■ | ■ | ■ |
| Mycobacterium tuberculosis bovis BCG | TB | | ■ | | |
| Proteus mirabilis | Urinary bladder infections. Can cause sepsis and systemic inflammatory response syndrome (SIRS) | | | ■ | ■ |
| Proteus vulgaris | Wound infections and urinary tract infections. | | | ■ | ■ |
| Pseudomonas aeruginosa (Pseudomonas) | Serious illnesses such as ventilator-associated pneumonia & sepsis syndromes | ■ | ■ | ■ | ■ |
| Salmonella enterica | Salmonella bacteria | ■ | ■ | | |
| Salmonella schottmuelleri | Para-typhoid fever | | ■ | | |
| Serratia marcescens | Hospital-acquired infections | | | ■ | ■ |
| Shigella flexneri, Shigella sonnei | Diarrhea | | | ■ | ■ |
| Staphylococcus aureus | Staph infections | ■ | ■ | ■ | ■ |
| Staphylococcus aureus phage 80 & 81 | Staph, surgical wound infections | | | ■ | ■ |
| Staphylococcus epidermidis | Hospital acquired infections/surgical wound infections | | | ■ | ■ |
| Streptococcus pyogenes | Strep | | ■ | ■ | ■ |

Download complete "Microbial ID Chart" including identification of bacteria, viruses, and fungi.

*1 - "Concentrations and size distributions of airborne influenza A viruses measured indoors at a health center, a day care center and airplanes," Yand, Elankumaran, Marr, J R Soc Interface. 2011 Aug 7; 8(61): 1176–1184.*

*2 - Study presented by Dr. Charles Gerba, University of Arizona, at 54th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), an infectious disease meeting of the American Society for Microbiology.*

*3- "Show Me the Science-When and How to Use Hand Sanitizer," Centers for Disease Control, https://www.cdc.gov/handwashing/show-me-the-science-hand-sanitizer.html*

*4- 'What is Quat Binding and Why It Must Be Prevented," B. Mollenkamp, http://www.cleanlink.com/hs/article/What-Is-Quat-Binding-And-Why-It-Must-Be-Prevented--18491*

*5- CDC Guideline for Disinfection & Sterilization in HC Facilities, 2008, p. 31, https://stacks.cdc.gov/view/cdc/11560*