



QUAT 256™



ONE-STEP DISINFECTANT, GERMICIDAL DETERGENT AND DEODORANT

for use against SARS-CoV-2



The US Environmental Protection Agency (EPA) has approved Sani-care Quat-256 for use against SARS-Related Coronavirus 2 (SARS-CoV-2) [cause of COVID-19] with a one-minute contact time and a ½ oz./gal. dilution rate.

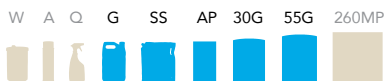
The Sani-care Quat 256 Difference

Buckeye **Sani-care Quat 256** is a multi-purpose, germicidal detergent for use in hospital, health care and industrial settings at ½ oz. per gallon of water. Buckeye **Sani-care Quat 256** requires no rinsing, and is pH neutral for use on floor finishes.

Buckeye **Sani-care Quat 256** has:

- a 1 minute contact time for Human Coronavirus
- a 2 minute contact time for Influenza Virus Type A
- a 4 minute contact time for HIV-1 (AIDS virus)

Available Packaging



Effectively kills: HIV-1 (AIDS virus) • Hepatitis B Virus (HBV) • Hepatitis C Virus (HCV) • Herpes Simplex Virus Type 1 & Type 2 • Rubella Virus • Athlete's Foot Fungus • Influenza • Vaccinia • Adenovirus • Vancomycin resistant Enterococcus faecalis (VRE) • Methicillin resistant Staphylococcus aureus (MRSA) • Community Associated Methicillin- Resistant Staphylococcus aureus (CA-MRSA) • Gram-negative & Gram-positive pathogens

FEATURES

- Disinfectant
- Pseudomonacidal
- Bactericidal
- Staphylocidal
- *Virucidal
- Fungicidal
- Mildewstatic
- Salmonellacidal
- One-step cleaning, disinfecting and deodorizing
- Effective in 200ppm hard water in the presence of 5% organic soil load
- No rinse formula
- pH neutral
- Safe on floor finish
- E.P.A. registered
- Pleasant fragrance
- Economical
- For use on washable, hard, nonporous surfaces
- Easy-to-use
- Solvent free

Antimicrobial Test Results

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Disinfectant	10 minutes	5%	200 ppm as CaCO ₃
Test Method:	EPA Approved Method		

Organism	ATCC#	Use-Dilution Concentration
Acinetobacter baumannii	BAA-1709	660 ppm (½ oz./gal.)
Acinetobacter calcoaceticus	23055	660 ppm
Bordetella bronchiseptica	31427	660 ppm
Chlamydia psittaci	VR-854	660 ppm
Enterobacter aerogenes	13048	660 ppm
Enterobacter cloacae	13047	660 ppm
Enterobacter cloacae NDM-1	CDC1000654	660 ppm
Enterococcus faecalis - Vancomycin Resistant (VRE)	51299	660 ppm
Escherichia coli	11229	660 ppm
Escherichia coli NDM-1	CDC1001728	660 ppm
Fusobacterium necrophorum	27852 25286	660 ppm
Klebsiella pneumoniae	4352	660 ppm
Klebsiella pneumoniae ¹ NDM-1	BAA-2473	660 ppm
Legionella pneumophila	33153	660 ppm
Listeria monocytogenes	15313	660 ppm
Pasteurella multocida	12947	660 ppm
Proteus mirabilis	9240	660 ppm
Proteus vulgaris	9920	660 ppm
Salmonella enterica	10708	660 ppm
Salmonella enteritidis	13076	660 ppm
Salmonella typhi	6539	660 ppm
Serratia marcescens	14756	660 ppm
Shigella flexneri	9380	660 ppm
Shigella sonnei	25931	660 ppm
Staphylococcus aureus	6538	660 ppm
Staphylococcus aureus ¹ (MRSA)	33592	660 ppm
Staphylococcus aureus ¹ (MRSA) Community Associated	(NRS 384) USA300	660 ppm
Staphylococcus aureus ¹ (MRSA) Community Associated	(NRS 123) USA400	660 ppm
Staphylococcus aureus ² (VISA)	CDC No. HIP-5836	660 ppm
Staphylococcus epidermidis ¹ (MDR) Multi-Drug Resistant	12228	660 ppm
Streptococcus pyogenes	19615	660 ppm
Pseudomonas aeruginosa	15442	660 ppm
Pseudomonas aeruginosa ¹ (MBL)	CDC 2012059	660 ppm

¹ Antibiotic-resistant strain

² Reduced Susceptibility to Vancomycin

Conclusion: **Sanicare Quat 256** demonstrated efficacy against the listed bacteria as specified in the test performance standards. The formulation meets EPA requirements for hard surface disinfectant claims when diluted as directed.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Mildewstat	10 minutes	5%	200 ppm as CaCO ₃
Test Method:	EPA Approved Method		

Organism	ATCC#	Use-Dilution Concentration
Aspergillus niger	6275	660 ppm (½ oz./gal.)

Conclusion: **Sanicare Quat 256** demonstrated efficacy as a mildewstat against the above organism as specified in the test performance standards.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Citrus Canker Disease Control	10 minutes	5%	Deionized
Test Method:	EPA Approved Method		
Organism	Use-Dilution Concentration		
Xanthomonas axonopodis (Pathovar citri) (USDA Permit No. 46190)	2000 ppm (5oz. per 3¼ gallons)		

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Fungicide	10 minutes	5%	200 ppm as CaCO ₃
Test Method:	EPA Approved Method		

Organism	ATCC#	Use-Dilution Concentration
Trichophyton mentagrophytes	9533	660 ppm (½ oz./gal.)
Candida albicans	11651	660 ppm

Conclusion: **Sanicare Quat 256** demonstrated fungicidal efficacy against the organisms as specified in the test performance standards.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Virucide	Varies	5%	200 ppm as CaCO ₃
Test Method:	EPA Approved Method		

Organism	Source of Virus or ATCC#	Use-Dilution Concentration	Contact Time
Adenovirus Type 4	VR-4 strain RI-67	660 ppm (½ oz./gal.)	10 Min.
Adenovirus Type 7	VR-7	2640 ppm (2 oz./gal.)	10 Min.
Hepatitis B (HBV)	Duck Hepatitis B Virus (Hepadna Virus Testing, Inc.)	660 ppm	10 Min.
Hepatitis C (HCV)	Bovine Viral Diarrhea Virus (BVDV-CPE)	660 ppm	10 Min.
Herpes Simplex Type 1	VR-733	660 ppm	10 Min.
Herpes Simplex Type 2	MS Strain	660 ppm	10 Min.
HIV-1 (AIDS Virus)	HTLV-III _{RF} strain	660 ppm	4 Min.
Human coronavirus	VR-740 Strain 229E	660 ppm	1 Min.
Influenza A Virus	VR-544 Strain Hong Kong	660 ppm	2 Min.
Respiratory Syncytial virus (RSV)	VR-26	660 ppm	10 Min.
Rotavirus (WA)	Strain WA	660 ppm	10 Min.
Rubella virus	Strain M-33	660 ppm	10 Min.
SARS Associated Coronavirus (SARS)	CDC Strain #200300592	660 ppm	10 Min.
Vaccinia (Pox virus)	Strain IHD	660 ppm	10 Min.

Conclusion: **Sanicare Quat 256** effectively inactivated the above viruses specified in the test performance standards. The formulation meets EPA requirements for hard surface disinfectant claims when diluted as directed.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Animal Viruses	10 minutes	5%	200 ppm as CaCO ₃
Test Method:	EPA Approved Method		

Organism	Source of Virus or ATCC #	Use-Dilution Concentration	Contact Time
Avian influenza (H5N1)	Strain VNH5N1-PR8/CDC-RG CDC #2006719965	660 ppm (½ oz./gal.)	10 Min.
Avian polyomavirus	Dr. Bruce Calnek, Cornell University	660 ppm	10 Min.
Canine distemper virus	VR-128	660 ppm	10 Min.
Feline leukemia virus	VR-717	660 ppm	10 Min.
Feline picornavirus (calicivirus)	VR-649	660 ppm	10 Min.
Infectious bovine rhinotracheitis	VR-793	660 ppm	10 Min.
Infectious bronchitis [Avian IBV]	VR-22	660 ppm	10 Min.
Newcastle Disease	VR-108, strain B1, Hitchner or Blacksburg	660 ppm	10 Min.
Pseudorabies virus [PRV]	VR-135	660 ppm	10 Min.
Rabies virus	VR-138	660 ppm	10 Min.
Transmissible Gastroenteritis virus [TGE]	VR-763	660 ppm	10 Min.

Conclusion: **Sanicare Quat 256** effectively inactivated the above viruses specified in the test performance standards. The formulation meets EPA requirements for hard surface disinfectant claims when diluted as directed.



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DIRECTIONS FOR USE:

Remove heavy soil deposits from surface. Then thoroughly wet surface with a use-solution of ½ ounce of concentrate per gallon of water or equivalent. (Use 2 oz per gallon of water to kill Adenovirus Type 7.) The use-solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. For sprayer applications, use a coarse spray device. Spray 6–8 inches from the surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished. Food contact surfaces must be thoroughly rinsed with potable water. This product must not be used to clean the following food contact surfaces: utensils, glassware and dishes. Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted.

TECHNICAL SPECIFICATIONS SANICARE QUAT 256	
pH in concentrate	7.6 ± 0.2
pH ½ oz./gal.	7.0 ± 0.2
Weight/Gallon	8.34 lbs
Specific Gravity	1.00
Dilution	1:256
Refractive Index at 30° C	1.3735 – 1.3740
Active Concentration	660 ppm
Active Disinfectant:	
Didecyl dimethyl ammonium chloride.....	10.14%
n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%)	
dimethyl benzyl ammonium chloride.....	6.76%
Inert Ingredients.....	83.10%

E.P.A./Health Canada

EPA REG. NO. 47371-129-559
EPA EST. NO. 559-MO-1
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For more information
about Quat 256, scan
this code.



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