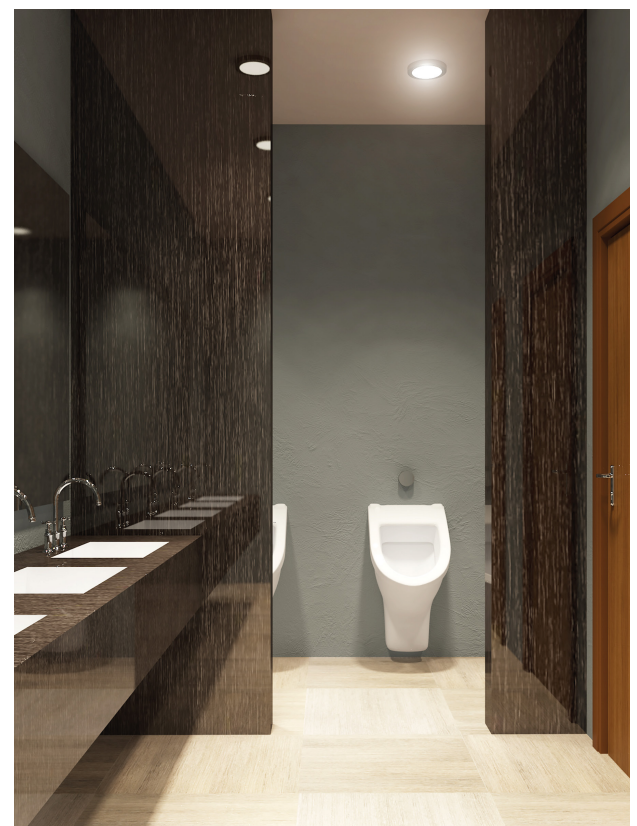


# Santec Approved Products for Minimizing Risk and Spread of Novel Coronavirus (2019-nCoV/COVID-19)



# SAPPHIRE



**Sapphire** (#271223) is an EPA registered disinfectant cleaner, (EPA Reg. 1839-220-84179). It is formulated to be a ready-to-use one step cleaning and disinfecting solution for hard, non-porous, inanimate surfaces such as walls, floors, bathrooms, bathtubs, cabinets and all metal surfaces including railings.

**Sapphire is EPA List N approved for 2019-nCoV/COVID-19 (Human Coronavirus).** **Sapphire** has demonstrated effectiveness against viruses similar to **2019 Novel Coronavirus (Human Coronavirus)** on hard, non-porous surfaces. Therefore, **Sapphire** can be used against **2019 Novel Coronavirus** when used in accordance with the directions for use against **Human Poliovirus** on hard, non-porous surfaces. **Note:** Dwell time for disinfecting equals five minutes. Refer to the **CDC** website at <https://wwwnc.cdc.gov/travel/notices/alert/novel-coronaviruschina> for additional information.\*

**Features** One step solution for cleaning, disinfecting and deodorizing. Quickly removes dirt, grime, food residue, blood and other organic matter commonly found in hospitals and health care facilities on metal surfaces. It also eliminates odors leaving surfaces smelling clean and fresh. A worry-free solution that does not harm fabrics and tough on germs. Do not use on unpainted wood.

Organism	Kill Time	Organism	Kill Time
Aspergillus niger (ATCC 6275)	10 Min	Klebsiella pneumoniae New Delhi Metallo-Beta Lactamase (NDM-1) Carbapenem Resistant	2 Min
Avian Influenza Virus (H5N1) NIBRG-14	30 sec	Methicillin Resistant Staphylococcus aureus (MRSA) (ATCC 33591)	2 Min
Bovine Viral Diarrhea Virus (BVDV)	1 Min	Multi-Drug Resistant (MDR) Acinetobacter baumannii Ceftazidime and Gentamicin Resistant (ATCC BAA-1605)	2 Min
Canine Parvovirus	2 Min	Norovirus (Norwalk Virus)	2 Min
Duck Hepatitis B Virus (DHBV)	1 Min	<b>Poliovirus Type 1 (ATCC VR-1562)</b>	<b>5 Min</b>
Enterobacter aerogenes (ATCC 13048)	2 Min	Pseudomonas aeruginosa (ATCC 15442)	2 Min
Extended Spectrum Beta-Lactamase (ESBL) Escherichia coli (ATCC BAA-196)	2 Min	Rhinovirus Type 14 (ATCC VR-284)	2 Min
Feline Calicivirus (ATCC VR-782)	2 Min	Rhinovirus Type 39 (ATCC VR-340)	2 Min
Hepatitis B Virus (HBV)	1 Min	Salmonella enterica (Salmonella) (ATCC 10708)	2 Min
Hepatitis C Virus (HCV)	1 Min	Staphylococcus aureus (ATCC 6538)	2 Min
Human Immunodeficiency Virus Type-1 (HIV-1)	30 sec	Staphylococcus aureus (ATCC 6538)	2 Min
Human Rotavirus (ATCC VR-2018)	1 Min	Staphylococcus aureus (Staph) (ATCC 6538)	5 sec
Klebsiella pneumoniae (ATCC 4352)	5 sec	Vancomycin Resistant Enterococcus faecium (ATCC 51559)	2 Min
Total Claims		26	

EIGHT



**Eight** ( # 2 7 1 0 6 6 & # 2 7 1 0 6 5 ) is an EPA registered sanitizer and disinfectant cleaner, (EPA Reg. 1839-86-84179). It is a concentrated deodorizer, disinfectant and sanitizer containing a combination of two active quaternary ammonium compounds in a water base. EPA registered for third sink and other hard food contact surfaces.

**Eight** is EPA *List N* approved for 2019-nCoV/COVID-19 (Human Coronavirus). **Eight** has demonstrated effectiveness against viruses similar to **2019 Novel Coronavirus (Human Coronavirus)** on hard, non-porous surfaces. Therefore, **Eight** can be used against **2019 Novel Coronavirus** when used in accordance with the directions for use in general disinfection on hard, non-porous surfaces. **Note:** Dwell time for disinfecting equals ten minutes. Refer to the **CDC** website at <https://wwwnc.cdc.gov/travel/notices/alert/novel-coronaviruschina> for additional information.\*

**Features** GENERAL DISINFECTION AND HOSPITAL DISINFECTION: When used on inanimate, hard, non-porous surfaces as directed, this product kills Staphylococcus aureus, Salmonella enterica, Listeria monocytogenes, Yersinia enterocolitica, Pseudomonas aeruginosa, Vancomycin intermediate resistant Staphylococcus aureus (VISA), Influenza A2/Japan, Herpes Simplex Type 1, Adenovirus Type 5, Vaccinia Virus, Avian Influenza A/Turkey/Wisconsin, Human Immunodeficiency Virus Type 1 (HIV-1), Newcastle Disease Virus, Laryngotracheitis Virus, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Bovine Viral Diarrhea Virus (BVDV), SARS associated Coronavirus, Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) and Human Coronavirus.

Organism	Kill Time	Organism	Kill Time
Adenovirus Type 5	10 Min	Listeria monocytogenes (ATCC 35152)	10 Min
Avian influenza A/Turkey/Wisconsin (ATCC VR-798)	10 Min	Methicillin resistant Staphylococcus aureus (MRSA) (ATCC 33592)	60 sec
Bovine Viral Diarrhea Virus (BVDV)	10 Min	Newcastle disease (strain H. J. Roakin, 1946)	10 Min
Campylobacter jejuni (ATCC 29428)	60 sec	Pandemic 2009 H1N1 Influenza A Virus	10 Min
Escherichia coli (ATCC 11229)	60 sec	Porcine Respiratory & Reproductive Syndrome Virus (PRRSV) (Strain NVSL)	10 Min
Escherichia coli O157:H7 (ATCC 43895)	60 sec	Pseudomonas aeruginosa (ATCC 15442)	10 Min
Hepatitis B Virus (HBV)	10 Min	Salmonella enterica (ATCC 10708)	10 Min
Hepatitis C Virus (HCV)	10 Min	Salmonella typhi (ATCC 6539)	60 sec
Herpes Simplex Type 1	10 Min	<b>SARS Associated Coronavirus (ZeptoMetrix)</b>	<b>10 Min</b>
<b>Human Coronavirus (Strain 229E) (ATCC VR-740)</b>	<b>10 Min</b>	Shigella sonnei (ATCC 11060)	60 sec
Human Immunodeficiency Virus (HIV-1)(Strain HTLV-IIIB)	10 Min	Staphylococcus aureus (ATCC 6538)	10 Min
Human Influenza	10 Min	Vaccinia Virus	10 Min
Influenza A Virus (H7N9)	10 Min	Vancomycin intermediate resistant Staphylococcus aureus (VISA)	10 Min
Influenza A2 (Japan 305/57)	10 Min	Vancomycin resistant Enterococcus faecalis (VRE) (ATCC 51299)	60 sec
Klebsiella pneumoniae (ATCC 4352)	60 sec	Vibrio cholera (ATCC 14035)	60 sec
Laryngotracheitis Virus (LT-IVAX)	10 Min	Yersinia enterocolitica (ATCC 23715)	10 Min
Total Claims	32		



SIENNA



**Sienna** (#271435) is an EPA registered disinfectant and sanitizer cleaner, (EPA Reg. 1839-216-84179). It is a phosphate free, pH neutral formulation designed to provide effective cleaning, deodorization, and disinfection specifically for hospitals, nursing homes, colleges, food processing plants, food service establishments, office buildings, hotels and lodging establishments where housekeeping is of prime importance in controlling cross contamination.

**Sienna** has demonstrated effectiveness against viruses similar to **2019 Novel Coronavirus (SARS Associated Coronavirus)** on hard, non-porous surfaces. Therefore, **Sienna** can be used against **2019 Novel Coronavirus** when used in accordance with the directions for use against **SARS Associated Coronavirus** on hard, non-porous surfaces. **Note:** Dwell time for disinfecting equals five minutes. Refer to the **CDC** website at <https://wwwnc.cdc.gov/travel/notices/alert/novel-coronavirus-china> for additional information.\*

**Features** Formulated to a neutral pH so it will not dull high gloss floor finishes. Concentrated – effective as general cleaner from 2 oz. per gallon dilution and higher depending on soiling conditions. Powerful bactericide and virucide at 2 oz. per gallon – see attached list for impressive list of bacteria and viruses **Sienna** effective against. Leaves behind a delightful lavender scent.

Organism	Kill Time	Organism	Kill Time
Avian Influenza Virus (H9N2)	5 Min	Pseudorabies (ATCC VR-135)	5 Min
Bovine Viral Diarrhea Virus (BVDV) (ATCC 534)	5 Min	Respiratory Syncytial Virus (RSV) (ATCC VR-26)	5 Min
Enterobacter aerogenes (ATCC 13048)	10 Min	Rotavirus (ATCC VR-899)	5 Min
Enterococcus faecium (ATCC 6569)	5 Min	Salmonella (choleraesuis) enterica (ATCC 10708)	10 Min
Escherichia coli (ATCC 8739)	5 Min	Salmonella (enteritidis) enterica (ATCC 13076)	5 Min
Escherichia coli O157:H7 (ATCC 43895)	5 Min	Salmonella (pullorum) enterica (ATCC 9120)	5 Min
Hepatitis B Virus (HBV) (Duck Hepatitis B Virus-DHBV)	3 Min	Salmonella (typhi) enterica (ATCC 6539)	5 Min
Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus - BVDV)	5 Min	Salmonella (typhimurium) enterica (ATCC 14028)	5 Min
Herpes Simplex Virus Type 1 (ATCC VR-733)	5 Min	<b>SARS Associated Coronavirus</b>	<b>5 Min</b>
Herpes Simplex Virus Type 2 (ATCC VR-734)	5 Min	Serratia marcescens (Industry Isolate)	5 Min
Human Immunodeficiency Virus Type 1, (associated with AIDS)	30 Min	Shigella flexneri (ATCC 12022)	5 Min
Influenza Virus Type A2 (ATCC VR-544)	5 Min	Shigella sonnei (ATCC 9290)	5 Min
Klebsiella pneumoniae (ATCC 13883)	5 Min	Staphylococcus aureus (ATCC 6538)	10 Min
Listeria monocytogenes (ATCC 984)	5 Min	Staphylococcus epidermidis (ATCC 14990)	5 Min
Pandemic 2009 H1N1 Influenza A Virus	5 Min	Streptococcus pyogenes (ATCC 19615)	5 Min
Proteus mirabilis (clinical isolate)	5 Min	Vaccinia, (ATCC VR-119)	5 Min
Proteus vulgaris (ATCC 33420)	5 Min	Yersinia enterocolitica (ATCC 23715)	5 Min
Pseudomonas aeruginosa (ATCC 15442)	10 Min		
Total Claims	35		

## CRANBERRY



**Cranberry** (#271438) is an alcohol-based gel hand sanitizer formulated to be used without water or towels. Cranberry helps control the spread of germs by killing 99.99% of common germs that cause illness. Cranberry is formulated with emollients and our signature 'cranberry ice' fragrance, leaving hands smooth and soft with a most pleasant and refreshing scent.

**Features** Helps avoid spreading of germs. Contains 62% ethanol which has been recognized by FDA as insuring killing 99.99% of common germs that cause illness. Convenience and ease of use with no rinsing or towel drying required makes it the preferred mode of insuring sanitary health in your facility. Simply dispense a dab or two on hand, rub hands together and product quickly and completely evaporates on the skin. Easy to use. Product quickly evaporates on the skin without leaving a sticky residue. Leaves a refreshing scent. Formulated with a 'cranberry ice' fragrance which leaves the hands with a most pleasant and refreshing scent. Soft on hands. Formulated with emollients which leave hands smooth and soft and prevents drying of skin.

## TEAL



**Teal** (#271430) is an antibacterial foaming liquid hand soap that effectively removes soils and greases, is mild on the most delicate hands, and generates a soothing and refreshing fragrance while cleaning.

**Features** Formulated with the broad-spectrum antibacterial agent Triclosan to improve sanitizing of hands without affecting any objectionable residual odor. Formulated with a blend of mild surfactants and emollients, and a powerfully soothing and refreshing 'wild berry' fragrance making hand washing a pleasurable experience, while leaving the hands clean and 'soft'. A single pump from the dispenser delivers sufficient product to produce a thick lather and effective cleaning. Water softening compounds incorporated in the formulation assures soap performs well even in hard water areas.