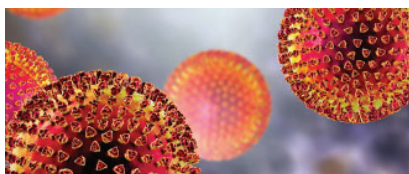


## 2019 Novel Coronavirus (2019-nCoV)

Date: January 28, 2020



The Centers for Disease Control and Prevention (CDC) is closely monitoring an outbreak of respiratory illness caused by a novel (new) coronavirus first identified in Wuhan, Hubei Province, China. Chinese authorities identified the new coronavirus, which has resulted in more than a thousand confirmed cases in China, including cases outside Wuhan City. Additional cases have been identified in a growing number of other international locations, including the United States. The US Centers for Disease Control (CDC) is closely monitoring the situation and provides comprehensive and timely updates.<sup>1</sup>



### What are coronaviruses?

Coronaviruses are a large family of viruses that were first identified in the mid-1960s and are common in many different species of animals, including camels, cattle, cats, and bats. Coronaviruses are not typically transmitted between animals and humans. With the discovery of 2019 Novel Coronavirus there are now seven strains of coronavirus known to be capable of transmission from animals to humans. Severe Acute Respiratory Syndrome (SARS) CoV was responsible for a large outbreak in 2003 and Middle Eastern Respiratory Syndrome (MERS) CoV was responsible for an outbreak in 2012.<sup>2</sup>

Many of the patients in the outbreak in Wuhan, China reportedly had some link to a large seafood and animal market, suggesting animal-to-person spread. However, a growing number of patients reportedly have not had exposure to animal markets, and there is evidence that person-to-person spread is occurring.<sup>1</sup>

### What are the symptoms of a human coronavirus infection?

Common human coronaviruses usually cause mild to moderate upper-respiratory tract illnesses, like the common cold. Symptoms may include runny nose, headache, cough, sore throat, fever, a general feeling of being unwell. Human coronaviruses can sometimes cause lower-respiratory tract illnesses, such as pneumonia or bronchitis. This is more common in people with cardiopulmonary disease, people with weakened immune systems, infants, and older adults.<sup>3</sup>

### How are coronaviruses spread?

Coronaviruses typically spread via close contact, or respiratory droplets produced when an infected person coughs or sneezes, similar to how influenza and other respiratory pathogens spread.<sup>4</sup>

### Why are coronaviruses and particularly nCoV a concern?

Most people get infected with a human coronavirus at some point in their lives and experience cold-like symptoms a few days before recovering. However, novel coronaviruses - such as MERS-CoV, SARS-CoV, and 2019-nCoV cause severe symptoms including fever, cough and shortness of breath that can lead to pneumonia and even death. These coronaviruses can quickly spread from person to person and can lead to widespread outbreaks. In the case of 2019-nCoV, there is neither a vaccine nor specific treatment.

### Infection Control Measures

There is currently no vaccine to prevent 2019-nCoV infection. The best way to prevent infection is to avoid being exposed to this virus. However, as a reminder, CDC always recommends everyday preventive actions to help prevent the spread of respiratory viruses, including:

- Wash your hands often with soap and water for at least 20 seconds. If soap and water are not available, use an alcohol-based hand sanitizer.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Avoid close contact with people who are sick.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
- Clean and disinfect frequently touched objects and surfaces with an EPA registered disinfectant.
- CDC recommends wearing a surgical mask as soon as they are identified. Personnel entering the room should use standard precautions, contact precautions, and airborne precautions, and use eye protection.

# NCL® PRODUCT RECOMMENDATIONS:

The products listed below have all demonstrated effectiveness against Human Coronavirus and SARS Associated Carnovirus on hard, non-porous surfaces. Therefore, we recommend the products listed below for use, in accordance with label directions. All products have a 10 minute kill claim unless otherwise noted.

## Standard Precaution Recommendations from World Health Organization (WHO) include:

*“Ensure that environmental cleaning and disinfection procedures are followed consistently and correctly. Thorough cleaning of environmental surfaces with water and detergent and applying commonly used hospital level disinfectants is an effective and sufficient procedure.”<sup>6</sup>*

	Product No.	Product Name
Bulk Disinfectants	0248	<b>Neutral-Q</b> Disinfectant Cleaner
	0255	<b>MicroChem Plus</b> Detergent / Disinfectant
	0275	<b>Neutrocide 256</b> Neutral Disinfectant Cleaner / Deodorizer
	0234	<b>Citrus Flower-Quat</b> Disinfectant, Cleaner, Mildewstat, Fungicide, Virucide, Deodorizer
	0241	<b>Pine-Quat Plus</b> Disinfectant, Cleaner, Mildewstat, Fungicide, Virucide, Deodorizer
	0235	<b>Lemon-Quat</b> Disinfectant, Cleaner, Mildewstat, Fungicide, Virucide, Deodorizer
	0230	<b>Lavender-Quat</b> Disinfectant, Cleaner, Mildewstat, Fungicide, Virucide, Deodorizer
	0236	<b>Mint-Quat</b> Disinfectant, Cleaner, Mildewstat, Fungicide, Virucide, Deodorizer
	0270	<b>Combat</b> Odor Eliminator / Neutral Disinfectant Cleaner
	4038	<b>Earth Sense® Neutral Disinfectant Detergent</b>
Dilution Control	4173	<b>Main Squeeze Lavender 256</b> Neutral Disinfectant Cleaner Deodorizer
	5078	<b>Dual Blend® #8</b> HD Detergent / Disinfectant
	5079	<b>Dual Blend® #9</b> Neutral Disinfectant Cleaner 256
	5089	<b>Dual Blend® #19</b> Lavender Disinfectant 256
	5090	<b>Dual Blend® #20</b> Bathroom Plus Concentrate
	4078	<b>Ready...Set...CLEAN™ #8</b> HD Detergent / Disinfectant
	4079	<b>Ready...Set...CLEAN™ #9</b> Neutral Disinfectant Cleaner 256
	4007	<b>Twin Power® #7</b> Healthcare Disinfectant Neutral Cleaner
	4017	<b>Twin Power® #17</b> HD Detergent / Disinfectant
	4021	<b>Twin Power® #21</b> Earth Sense® Neutral Disinfectant Cleaner 256
RTU	0252	<b>Avistat-D</b> Ready-To-Use Spray Disinfectant Cleaner 2 min. Kill
	1715	<b>Germi-Kleen</b> Non-Acid Bowl & Bathroom Disinfectant Cleaner 2 min. Kill

## References:

<sup>1</sup> <https://www.cdc.gov/coronavirus/2019-nCoV/summary.html>

<sup>2</sup> <https://www.cdc.gov/coronavirus/index.html>

<sup>3</sup> <https://www.cdc.gov/coronavirus/about/symptoms.html>

<sup>4</sup> <https://www.cdc.gov/coronavirus/about/transmission.html>

<sup>5</sup> <https://wwwnc.cdc.gov/travel/notices/alert/novel-coronavirus-china>

<sup>6</sup> [https://www.who.int/publications-detail/infection-prevention-and-control-during-health-care-when-novel-coronavirus-\(ncov\)-infection-is-suspected-20200125](https://www.who.int/publications-detail/infection-prevention-and-control-during-health-care-when-novel-coronavirus-(ncov)-infection-is-suspected-20200125)



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## 2019 Novel Coronavirus (2019-nCoV)

Date: February 4, 2020



### Healthcare Update: NCL® Avistat-D™ and NCL® Germi-Kleen™ and Novel Coronavirus 2019

EPA has confirmed that the 2019 novel coronavirus-Wuhan (also 2019-nCoV) has met the conditions outlined in EPA's emerging viral pathogens guidance and has triggered the emerging viral pathogen policy.

**NCL® Avistat-D™** and **NCL® Germi-Kleen™** (EPA Reg # 1839-83-2296) have demonstrated effectiveness against viruses similar to 2019 novel coronavirus-Wuhan (also 2019-nCoV) on hard non-porous surfaces. Therefore, this product can be used against 2019 novel coronavirus-Wuhan (also 2019-nCoV) when used in accordance with the directions for use against Human Rotavirus, Rhinovirus Type 39, Hepatitis A virus, Poliovirus Type 1, and Canine Parvovirus on hard, non-porous surfaces. Refer to the CDC website (<https://www.cdc.gov/coronavirus/2019-ncov/index.html>) for additional information.

### Features:

- Ready-To-Use, Powerful Disinfectant
- Non-Acid
- Superior Deodorization

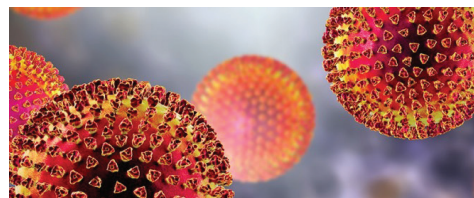
### Use Directions:

**Virucidal Activity** - This product kills on hard, non-porous inanimate surfaces when allowed to remain wet for a 10 minute contact time against Hepatitis A virus (HAV), Poliovirus Type 1, Canine Parvovirus, Rhinovirus type 39 and (Human) Rotovirus when the treated surface is allowed to remain wet for 3 minutes.

### Viruses - Kill Times

*2019 Novel Coronavirus (2019-nCoV)	■
*Rotavirus	3 min
*Rhinovirus Type 39	3 min
*Hepatitis A Virus [HAV]	10 min
*Poliovirus Type 1	10 min
*Canine Parvovirus	10 min

\* On Hard, nonporous surfaces



**0252-36**  
12 x 32 oz / case



**1716-45**  
12 x 32 oz / case