WHAT IS NOVEL CORONAVIRUS

The novel coronavirus (COVID-19) is a new strain of a large family of viruses that cause illness ranging from the common cold to more severe diseases. Scientists have isolated the coronavirus causing COVID-19 and found it to be at least 70% similar in genetic sequence to MERS and SARS.[1, 2]

SYMPTOMS

Source: Center for Disease Control[4], WHO

- Fever
- Breathing difficulty
- Cough
- Shortness of breath
- Pneumonia
- Kidney failure
- Severe acute respiratory infection
- Death

COVID-19 can take up to 10-days between infection and detection[3] when symptoms are present

Incubation 5-6 days  Detection 4-5 days

Source: Center for Disease Control

HOW NOVEL CORONAVIRUS ENTERS

EMPLOYEES

CUSTOMERS

HOW NOVEL CORONAVIRUS SPREADS

NOVEL CORONAVIRUS IS SPREAD BY DROPLETS

MADE WHEN INFECTED PEOPLE COUGH, SNEEZE OR TALK

TOUCHING

CONTAMINATED PEOPLE, OBJECTS OR SURFACES

Learn More: contact your Ecolab representative

References;
[1] https://www.who.int/health-topics/coronavirus

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TAKE ACTION

**Know** your novel coronavirus facts.

Get access to educational & procedural information. Refer to your local health authorities and the WHO.

People with novel coronavirus should not prepare food or serve beverages for others until their symptoms have resolved.

**Encourage employees to:**
- Stay at home or visit the doctor if they are sick
- Clean and sanitize impacted areas

**FACT:** Patients are most infectious during the first three days of illness.

**Frequent handwashing**

Thoroughly wash hands and exposed portions of arms with Ecolab hand soap and warm water for at least 20 seconds. Use designated handwashing sink.

**Sanitize Hands**

Use alcohol-based Ecolab hand sanitizer without rinse.

**Cover your mouth & nose**

Cough or sneeze into a tissue or flexed elbow.

**Avoid close contact**

with anyone showing symptoms of respiratory illness.

CLEAN THOROUGHLY & ROUTINELY

**CLEAN & DISINFECT**

frequently touched objects and surfaces with a properly registered disinfectant.

- Light and air control switches
- Faucets and toilet flush levers
- TV and remote controls
- Telephones and computers
- Door handles and push plates
- Other surfaces as needed

All surfaces that may have contacted respiratory secretions, urine or feces according to standard infection control procedures.

**CLEAN & SANITIZE**

Follow warewashing standards for plates, glass, silverware and other ware.

Learn more: ecolab.com/coronavirus
1. Report any suspected incidents to management

2. Follow Ecolab guidelines for infection prevention

3. Send sick employees home or to the hospital

4. Stock disinfectant products as preventative approach

5. Clean & sanitize all areas; follow cleaning standards for contaminated surfaces - reference procedure on product label

6. Disinfect high-touch surfaces with Ecolab preventative solutions - reference procedure on product label

7. Follow up with doctor check the status of your employee if they require special care

Learn more: ecolab.com/coronavirus
The products in the table below meet the criteria for claims against emerging viral pathogens and therefore can be used against 2019 Novel Coronavirus when used in accordance with the directions for use against the listed supporting virus on hard, non-porous surfaces. Contact your Ecolab Account Executive for additional product information.

<table>
<thead>
<tr>
<th>PRODUCT IMAGE</th>
<th>PRODUCT NAME</th>
<th>PRODUCT CODE</th>
<th>NAME OF SUPPORTING, VIRUS, DILUTION RATE AND CONTACT TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td>14 PLUS ANTIBACTERIAL ALL PURPOSE CLEANER 2.5 GAL</td>
<td>6100920</td>
<td>Norovirus (Feline calicivirus surrogate), 1 fl. oz./gallon, 5 minutes</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image" /></td>
<td>14 PLUS ANTIBACTERIAL ALL PURPOSE CLEANER 2x2 L</td>
<td>6100912</td>
<td></td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td>20 NEUTRAL DISINFECTANT CLEANER 2x2 L</td>
<td>6100460</td>
<td>Adenovirus, 2 fl. oz./gallon, 10 minutes</td>
</tr>
<tr>
<td><img src="image4.png" alt="Image" /></td>
<td>A-456 II DISINFECTANT CLEANER 2x1.3 L</td>
<td>6166931</td>
<td>Norovirus (Feline calicivirus surrogate), 0.5-1 fl. oz/gallon, 10 minutes</td>
</tr>
<tr>
<td><img src="image5.png" alt="Image" /></td>
<td>MULTI PURPOSE DISINFECTING WIPES</td>
<td>6101858</td>
<td>Norovirus (Feline calicivirus surrogate), RTU, 10 minutes</td>
</tr>
<tr>
<td><img src="image6.png" alt="Image" /></td>
<td>NEUTRAL DISINFECTANT CLEANER 2x1.3 L</td>
<td>6114541</td>
<td>Adenovirus, 2 fl. oz./gallon, 10 minutes</td>
</tr>
<tr>
<td><img src="image7.png" alt="Image" /></td>
<td>NEUTRAL DISINFECTANT CLEANER 2.5 GAL</td>
<td>6101205</td>
<td></td>
</tr>
<tr>
<td><img src="image8.png" alt="Image" /></td>
<td>OASIS 499 HBV DISINFECTANT 2.5 GAL</td>
<td>6100281</td>
<td>Norovirus (Feline calicivirus surrogate), 0.5-1 fl. oz/gallon, 10 minutes</td>
</tr>
</tbody>
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For emerging or novel viruses like COVID-19 (formerly novel Coronavirus or nCOV), companies have not yet acquired or tested efficacy of products against the virus. Certain countries have policies or general claims that address this (e.g. US EPA Emerging Viral Pathogen Guidance, EU viral claims) by utilizing a hierarchy of susceptibility of viruses to disinfectants. In general, these policies are based on the ability of a product to kill a ‘harder to kill’ virus and may or may not require preapproval for use in outbreak situations.

Always follow directions for use on EPA-registered label.

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<td>PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT 7.57 L / 2 GAL</td>
<td>6100693</td>
<td>Norovirus (Feline calicivirus surrogate), 6 fl. oz/gallons, 45 seconds</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image" /></td>
<td>PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT 2x2L</td>
<td>6100791</td>
<td></td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td>PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT 2x1.3L</td>
<td>6100792</td>
<td></td>
</tr>
<tr>
<td><img src="image4.png" alt="Image" /></td>
<td>TB DISINFECTANT CLEANER RTU 12x32oz</td>
<td>6143556</td>
<td>Rotavirus, RTU, 3 minutes</td>
</tr>
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Always follow directions for use on EPA-registered label.

The products in the table below are broad-spectrum virucidal hard surface disinfectants that are expected to inactivate the 2019 Novel Coronavirus (2019-nCoV) when used in accordance with the directions for use. Contact your Ecolab Account Executive for additional product information.

### HARD SURFACE SANITIZERS & DISINFECTANTS

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<tr>
<td><img src="image1.jpg" alt="Image" /> DIN 2412314</td>
<td>PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER 7.57 L / 2 GAL</td>
<td>6100894</td>
</tr>
<tr>
<td><img src="image2.jpg" alt="Image" /> DIN 2412314</td>
<td>PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER 2x2L</td>
<td>6100897</td>
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