

FACT SHEET

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]

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
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Source: Center for Disease Control

SYMPTOMS

Source: Center for Disease Control^[4], WHO

• Fever • Breathing difficulty • Cough • Shortness of breath

Severe cases

• Pneumonia • Kidney failure
• Severe acute respiratory infection • Death

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>
[2] [https://en.wikipedia.org/wiki/2019%E2%80%9320_outbreak_of_novel_coronavirus_\(COVID-19\)](https://en.wikipedia.org/wiki/2019%E2%80%9320_outbreak_of_novel_coronavirus_(COVID-19))
[3] <https://www.imperial.ac.uk/mrc-global-infectious-disease-analysis/news--wuhan-coronavirus/>
[4] <https://www.cdc.gov/coronavirus/2019-ncov>

PREVENTION

▶ 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.**

Sick?

Visit doctor

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

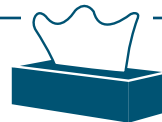


seconds. Use designated handwashing sink.



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
- TV and remote controls
- Door handles and push plates
- Faucets and toilet flush levers
- Telephones and computers
- 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.



RESPONSE

- ☐ **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

ECOLAB PREVENTIVE SOLUTIONS





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.

► HARD SURFACE SANITIZERS & DISINFECTANTS

PRODUCT IMAGE	PRODUCT NAME	PRODUCT CODE	NAME OF SUPPORTING, VIRUS, DILUTION RATE AND CONTACT TIME
 EPA Reg. # 6836-349-1677	14 PLUS ANTIBACTERIAL ALL PURPOSE CLEANER 2.5 GAL	6100920	Norovirus (Feline calicivirus surrogate), 1 fl. oz./gallon, 5 minutes
 EPA Reg. # 6836-349-1677	14 PLUS ANTIBACTERIAL ALL PURPOSE CLEANER 2x2 L	6100912	
 EPA Reg. # 47371-129-1677	20 NEUTRAL DISINFECTANT CLEANER 2x2 L	6100460	Adenovirus, 2 fl. oz./gallon, 10 minutes
 EPA Reg. # 6836-78-1677	A-456 II DISINFECTANT CLEANER 2x1.3 L	6166931	Norovirus (Feline calicivirus surrogate), 0.5-1 fl. oz./gallon, 10 minutes
 EPA Reg. # 6836-340-1677	MULTI PURPOSE DISINFECTING WIPES	6101858	Norovirus (Feline calicivirus surrogate), RTU, 10 minutes
 EPA Reg. # 47371-129-1677	NEUTRAL DISINFECTANT CLEANER 2x1.3 L	6114541	Adenovirus, 2 fl. oz./gallon, 10 minutes
 EPA Reg. # 47371-129-1677	NEUTRAL DISINFECTANT CLEANER 2.5 GAL	6101205	
 EPA Reg. # 6836-78-1677	OASIS 499 HBV DISINFECTANT 2.5 GAL	6100281	Norovirus (Feline calicivirus surrogate), 0.5-1 fl. oz./gallon, 10 minutes

ECOLAB PREVENTIVE SOLUTIONS

► HARD SURFACE SANITIZERS & DISINFECTANTS

PRODUCT IMAGE	PRODUCT NAME	PRODUCT CODE	NAME OF SUPPORTING, VIRUS, DILUTION RATE AND CONTACT TIME
 EPA Reg. # 1677-238	PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT 7.57 L / 2 GAL	6100693	Norovirus (Feline calicivirus surrogate), 6 fl. oz/gallons, 45 seconds
 EPA Reg. # 1677-238	PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT 2x2L	6100791	
 EPA Reg. # 1677-238	PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT 2x1.3L	6100792	
 EPA Reg. # 1839-83-1677	TB DISINFECTANT CLEANER RTU 12x32oz	6143556	Rotavirus, RTU, 3 minutes




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.

ECOLAB PREVENTIVE SOLUTIONS

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**

PRODUCT IMAGE	PRODUCT NAME	PRODUCT CODE
 DIN 2412314	PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER 7.57 L / 2 GAL	6100894
 DIN 2412314	PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER 2x2L	6100897
 DIN 2412314	PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER 2x1.3L	6100896

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