

## Cleaning Guidelines for DuPont Tychem® garments for COVID-19

According to the Centers for Disease Control and Prevention (CDC), the recommended method to remove contamination to prevent the spread of Coronavirus Disease 2019 (COVID-19) from garments when working with a case of laboratory-confirmed COVID-19 or a person under investigation is laundering and drying per instructions from the clothing manufacturer.

CDC defines cleaning and disinfecting as follow:

**Cleaning** refers to the removal of germs, dirt, and impurities from surfaces. Cleaning does not kill germs, but by removing them, it lowers their numbers and the risk of spreading infection.

**Disinfecting** refers to using chemicals to kill germs on surfaces. This process does not necessarily clean dirty surfaces or remove germs, but by killing germs on a surface *after* cleaning, it can further lower the risk of spreading infection.

DuPont™ Tychem® garments are designed as multiple use, Single Exposure Disposable garments based on chemical contamination exposure and permeation from the resultant chemical contact. Tychem® 2000 and other Tychem® fabrics with taped seams have been tested and have passed the requirements of ASTM Standards F1670 and ASTM F1671, the recognized blood and viral penetration test methods in North America, respectively.

COVID-19 is a biological viral contaminate, therefore, causing surface contamination; consequently, the exterior of Tychem® garments are able to be cleaned, disinfected and reused a limited number of times for COVID-19 applications. (\*)

- For cleaning use warm water, mild dishwashing liquid and a soft brush to remove any dirt from exterior surfaces.
- As per CDC guidelines for disinfection, diluted household bleach solutions, alcohol solutions with at least 70% alcohol, and most common EPA-registered household disinfectants should be effective to disinfect exterior surfaces.
- [Products with EPA-approved emerging viral pathogens claims](#) are expected to be effective against COVID-19 based on data for harder to kill viruses. Follow the manufacturer's instructions for all cleaning and disinfection products (e.g., concentration, application method and contact time, etc.). From this list, diluted hydrogen peroxide or sodium hypochlorite (house-hold bleach) can be used to disinfect Tychem® garments.
- Thoroughly rinse the garments with clean, fresh water and allowed to air-dry.

If the interior of the garment is suspected of being contaminated, DO NOT attempt to clean, disinfect and reuse the garment; handle and dispose of the garment according to all applicable regulations.

**(\*) NOTE:** In the absence of data, DuPont is unable to provide guidance on the number of times a garment can be safely reused. It is the responsibility of the safety professional in charge to determine that a garment can be safely reused.

**References:**

Centers for Disease Control and Prevention (CDC)

<https://www.cdc.gov/coronavirus/2019-ncov/index.html>

EPA-registered disinfectants

<https://www.americanchemistry.com/Novel-Coronavirus-Fighting-Products-List.pdf>

ASTM F1670

<https://www.astm.org/Standards/F1670.htm>

ASTM F1671

<https://www.astm.org/Standards/F1671.htm>