



**FROM:** LION TotalCare  
**DATE:** April 3, 2020  
**SUBJECT:** Treatment of Gear Exposed to COVID-19

This memo is in response to inquiries related to the handling and treatment of PPE that has been or is thought to have been exposed to COVID-19. Below are some general guidelines to consider regarding PPE cleaning, sanitization and disinfection, as well as an overview on what LION TotalCare is doing in its facilities to mitigate risk. Because this is a new virus, we are consuming information being published by organizations such as the CDC and the WHO and executing protocols to keep our employees and first responders safe.

The safest method for disinfection and sanitization of exposed or potentially exposed PPE is to work with a verified ISP. Whenever possible, refer to the manufacturer's cleaning and sanitizing/disinfecting instructions as well as the 2020 Edition of the NFPA 1851 Standard on Selection, Care & Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting. [Information outlining basic definitions of Cleaning, Sanitization and Disinfection can be found on pages 1-2. Pages 3-5 cover Specialized Cleaning, Sanitization and Disinfection. Here you will find ways to sanitize your gear \(Specifically section A.7.4.4.1\). Pages 6-7 cover the impacts of using high temperature wash and impacts of repeated laundering at high temperature.](#) LION's User Instruction regarding Washing, Decontamination and Disinfection can be found [here](#). Seek advice from the manufacturer on appropriate cleaning agents, sanitizers, or disinfectants and processes if not addressed in the instructions. Please keep in mind that high wash temperatures, which are sometimes recommended for sanitization, may negatively affect the durability of the gear. A laundry sanitizer with EPA registration should also be used. For a list of these EPA approved sanitizers, please click [here](#). Any sanitizer chosen should also have its SDS checked against the requirements in NFPA 1851. Any product containing chemicals such as Sodium Hypochlorite, Ethanol or Isopropanol should not be used. LION has conducted limited testing using Lysol Laundry Sanitizer and have preliminarily found no negative impact on the gear or its components when used as directed, however, we cannot make any claims regarding its effectiveness on COVID-19. Please refer to the highlighted products on the EPA Registered Products List for details on other products that, according to their SDS information, will not harm turnout gear (Maquat 128-MN, Maquat 64-NHQ, SC-NDC-128, Teccare Control & CleanSmart). Again, we cannot make any claims regarding their effectiveness on COVID-19.

LION TotalCare uses a disinfection and sanitization process for suspected or known contaminants or other viruses and bacteria. In addition, we use ozone in every extractor cleaning cycle to treat for biohazards. This cleaning agent is extremely effective, is non-toxic and chemical-free while providing 99.999% sanitization from germs, viruses and bacteria. This ozone process exceeds NFPA 1851 2020 edition's requirement for sanitization without using high wash temperatures.

LION TotalCare is also taking every precaution to protect our employees, customers and the public. Our procedure for handling PPE suspected of being contaminated can be found [here](#).

***\*Proceed to Second Page \****

We are continuing to closely monitor this ever-changing situation and will provide additional information as it becomes available. If you have any questions or if you have gear in need of cleaning, please reach out to your nearest TotalCare Facility Site Manager using the [Service Map](#) for guidance. If you are not near a TotalCare facility, please contact Michael Caron with TotalCare at [MCaron@lionprotects.com](mailto:MCaron@lionprotects.com) or by phone at 781-961-4000 or at 413-687-3392.

Atlanta TotalCare

Bryant Smith

[BSmith@lionprotects.com](mailto:BSmith@lionprotects.com)

Office: 470-462-4004

Cell: 352-219-5187

Houston TotalCare

Nidia Garza

[NGarza@lionprotects.com](mailto:NGarza@lionprotects.com)

Office: 713-644-7400

Cell: 832-452-7699

Boston TotalCare

Michael Caron

[MCaron@lionprotects.com](mailto:MCaron@lionprotects.com)

Office: 781-961-4000

Cell: 413-687-3392

Memphis TotalCare

Marcus Leet

[MLeet@lionprotects.com](mailto:MLeet@lionprotects.com)

Office: 901-937-0153

Chicago TotalCare

Kevin Schulz

[KSchulz@lionprotects.com](mailto:KSchulz@lionprotects.com)

Office: 773-247-6710

Cell: 815-621-4595

Wilmington, DE TotalCare

Tamie Roberts

[TRoberts@lionprotects.com](mailto:TRoberts@lionprotects.com)

Office: 302-426-1700

Dallas TotalCare

Delmer Pierce

[DPierce@lionprotects.com](mailto:DPierce@lionprotects.com)

Office: 214-742-6156

Cell: 972-839-3298