



# Technical Bulletin

## Cleaning and Disinfecting Innovative Optics Laser Eye Protection

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### Description

This document contains considerations related to cleaning laser eye protection products that will be used again after potential exposure to coronaviruses.

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Please always refer to the latest information from trusted sources such as the World Health Organization (WHO), the U.S. Centers for Disease Control and Prevention (U.S. CDC), the U.S. Occupational Safety and Health Administration (OSHA) and the European Centres for Disease Prevention and Control (ECDC) regarding selection, use, maintenance and cleaning of personal protective equipment.

### Disinfecting

This Technical Bulletin specifically addresses use of disinfectant chemicals. The following references are being included and may be useful. The United States Environmental Protection Agency (EPA) published List N: Disinfectants for Use Against SARS-CoV-2<sup>3</sup>. It is a list of EPA's registered antimicrobial products for use against novel coronavirus SARS-CoV-2, the cause of COVID-19, as a reference for specific disinfectants that can be used against coronaviruses. In Canada, Health Canada has a database<sup>4</sup> of Drug Identification Number (DIN) approved disinfecting agents for use against novel coronavirus SARS-CoV-2, the cause of COVID-19. Consult applicable local guidance for your region as it is related to disinfection for coronaviruses.

NOTE: Innovative Optics relies on the expertise of the CDC and EPA with respect to microbiological efficacy and has not evaluated the effectiveness of these agents with regards to inactivating viruses on Innovative Optics Eyewear. It is important to note that many disinfectant products on the EPA List N are for application to hard, non-porous surfaces and some head, eye and face products contain other surface types. Follow the hygiene and infection control practices established by your employer for the targeted organisms, including for coronavirus.

EPA List N and Health Canada approved disinfecting chemicals containing the following may be an option, however your facility should review this information thoroughly prior to selecting a disinfecting product for your eyewear.

While the following type of disinfectants are believed to be generally compatible with the hard surface materials of Innovative Optics eye protection products, testing per the ANSI Z87.1 Eye Protection Standard (or EN 166 Personal eye-protection for European CE certified products) and ANSI Z89.1 for

Industrial Head Protection (or EN 397 Industrial safety helmets for European CE certified products) has NOT been performed after use of these disinfectants. Use of other disinfectant types is not recommended. Users **must** inspect their eyewear prior to each use. If you discover any signs of damage (pitting, discoloration, cracking, etc); remove the eyewear from service and either replace components or replace the entire product as appropriate.

- Isopropyl Alcohol (IPA) based products at a concentration of 70% IPA

- 1) These disinfection instructions are for hard surface components of the eye protection products.
- 2) With any disinfecting agent, follow the User Instructions and/or EPA label in regard to PPE needed, usability, application and contact time.
- 3) Disinfect by spraying the hard surface components with 70% Isopropyl Alcohol and 30% distilled water. Surfaces must be visibly wet with disinfectant for the full specified contact time.
- 4) Immediately dry with a microfiber cloth.

## Notes

- 1) Components of eye protection products may experience detrimental effects over time with prolonged or extended use of cleaners and disinfecting products. Users **must** inspect their eye protective equipment prior to each use. If you discover any signs of damage, remove the eye protective product from service and either replace components or replace the entire product as appropriate, following the guidance in the product User Instructions.
- 2) Before using any of the products or information detailed herein, you must evaluate it and determine if it is suitable for your intended use. You assume all risks and liability associated with such use. Innovative Optics makes no warranties relating to the efficacy of any of the products detailed herein in preventing the spread and/or contraction of coronavirus. Innovative Optics will not be liable for any loss or damage arising from any information contained herein, whether direct, indirect, special, incidental or consequential, regardless of the legal or equitable theory asserted, including warranty, contract, negligence or strict liability.

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## Resources

- 1) Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008; updated 2009. United States Centers for Disease Control. William A. Rutala, Ph.D., M.P.H., David J. Weber, M.D., M.P.H. and the Healthcare Infection Control Practices Advisory Committee (HICPAC). 2008.  
<https://www.cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines-H.pdf>
- 2) List N. EPA's Registered Antimicrobial Products for Use Against Novel Coronavirus SARS-CoV-2, the Cause of COVID-19. United States Environmental Protection Agency. 04/03/2020.  
<https://www.epa.gov/pesticide-registration-sars-cov-2>

3) Government of Canada Hard-Surface disinfectants (COVID-19: List of approved hard-surface disinfectants. 03/30/20. <https://www.canada.ca/en/health-canada/services/drugs-health-products/disinfectants/covid-19/list.html>