



FIBERLOCK TECHNICAL BULLETIN: Disinfectants and Ebola

October 2014

Fiberlock Technologies, Inc. is a manufacturer of environmental control and containment systems based in Andover, MA. For over 30 years, Fiberlock has specialized in technologies for the restoration of hazardous conditions in the structural environment. An integral component of the solutions we provide has always been the most advanced surface disinfection and sanitizing formulations that target undesirable microorganisms and associated contamination.

Due to the recent concerns regarding Ebola, Fiberlock has received many inquiries, and we would like to clarify our position on the application of disinfectants and Ebola in this bulletin.

Until the U.S. Environmental Protection Agency (EPA) releases formal guidance, the only available U.S. governmental information that Fiberlock has identified on surface disinfection and Ebola is that which is available from the Centers for Disease Control (CDC) and the Occupational Health and Safety Administration (OSHA). While there are many claims being made by disinfectant manufacturers, it is important to be unequivocally clear that there are no products EPA Registered to inactivate the Ebola virus. Further, while many manufacturers of disinfectants are citing CDC guidelines that are intended for health care settings, they are failing to also reference that OSHA has published recommendations for the cleaning and decontamination of Ebola on surfaces in non-healthcare settings.

CDC:

At this point the guidance available concerning disinfection and environmental surfaces for infection control in hospitals from CDC can be found at: <http://www.cdc.gov/vhf/ebola/hcp/environmental-infection-control-in-hospitals.html>

OSHA:

In addition, OSHA has a guidance document titled, "Cleaning and Decontamination of Ebola on Surfaces" available at https://www.osha.gov/Publications/OSHA_FS-3756.pdf

AVAILABLE U.S. GUIDANCE: SURFACE DISINFECTION

In terms of specific disinfectant guidance, CDC has outlined the types of disinfectants that the agency anticipates to be effective for the inactivation of Ebola virus on surfaces.

Per the CDC guidelines for use in healthcare settings:

“Use a U.S. Environmental Protection Agency (EPA)-registered hospital disinfectant with a label claim for a non-enveloped virus (e.g., norovirus, rotavirus, adenovirus, poliovirus) to disinfect environmental surfaces in rooms of patients with suspected or confirmed Ebola virus infection.

Although there are no products with specific label claims against the Ebola virus, enveloped viruses such as Ebola are susceptible to a broad range of hospital disinfectants used to disinfect hard, non-porous surfaces. In contrast, non-enveloped viruses are more resistant to disinfectants. As a precaution, selection of a disinfectant product with a higher potency than what is normally required for an enveloped virus is being recommended at this time. EPA-registered hospital disinfectants with label claims against non-enveloped viruses (e.g., norovirus, rotavirus, adenovirus, poliovirus) are broadly antiviral and capable of inactivating both enveloped and non-enveloped viruses.”

The following excerpt from the OSHA Fact Sheet, *Cleaning and Decontamination of Ebola on Surfaces: Guidance for Workers and Employers in Non-Healthcare/Non-Laboratory Settings*, is very similar to the direction provided by CDC:

“Use an EPA-registered disinfectant suitable for non-enveloped viruses (e.g., adenovirus, norovirus, poliovirus) to treat contamination/spills and to disinfect surfaces after bulk spill material has been removed.”

All of Fiberlock’s ShockWave disinfectants (ShockWave®, ShockWave RTU™ and ShockWave Hydrogen Peroxide™ Disinfectant and Cleaner) are EPA-registered as Hospital disinfectants. All the formulations of ShockWave are EPA-registered as effective against non-enveloped viruses including norovirus, rotavirus, adenovirus and poliovirus.

Fiberlock Technologies will continue to monitor developments in regards to the Ebola virus. We will provide updates regarding any additional or amended guidance to our community of restoration contractors, environmental consulting professionals, and our distributors if new information becomes available to Fiberlock. For more information or questions, please visit our website at www.fiberlock.com or call 800-342-3755.

